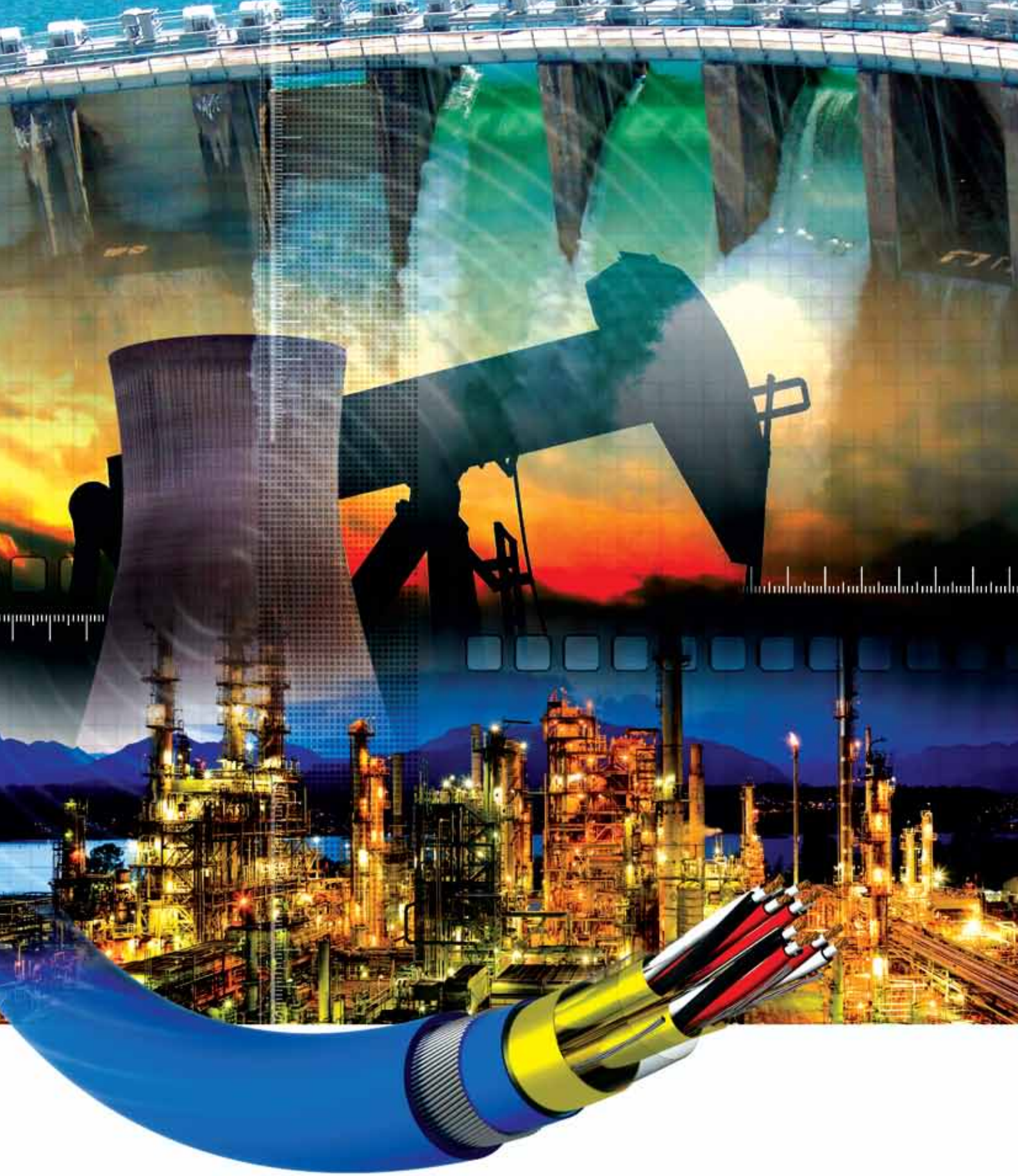

INSTRUMENTATION CABLES

ERSE KABLO

ERSE

ERSE KABLO

Our company established in 1996, has been growing rapidly thereby increasing her market activity and productivitiy throughout the years. Quality and customer satisfaction come first for ERSE KABLO that follows new and latest technology & innovations. ERSE KABLO provides ergonomic and healthy work ambient in order to save and improve the environment and environment policies.

Production takes places in our modern facilities of total 12.000 m^2 whose 8.000 m^2 is floor space. Our production is set to suit national and international standards. Our company values a customer oriented company culture and pursues the total quality management approach. We understand that total quality management is a team job and employees, from the top management to the smallest unit , embrace this concept to the fullest.

ERSE KABLO has an active role with the broad product range in the market. ERSE KABLO produces coaxial cables, signal-control cables, data transmission cables, halogen free cables, fire resistant cables, communication cables, harmonized cables, instrumentation cables, silicon insulated cables, marine & shipbuilding cables and tailor made cables.

We produces cables and wires according to national and well known international standards, IEC, BS, VDE, UL as well as special specifications and customer requirements. Quality control of the products during every stage of production is fastidiously performed at our QC laboratories equipped with the most advenced testing and measurement instruments. During each work-production step we assure the quality of our products.

All our production and quality control processes are achieved by the procedures and regulations of obtained ISO 9001:2000 from NQA and VDE organisation bodies.

Our company has VDE, GOST-R, FIRE CERTIFICATE (RUSSIA), TURKISH LLYOD, ROHS, TSE, TSEK, RINA and BV quality certificates,type approvals that makes ERSE KABLO worldwide reputable company in the cable industry.

ERSE KABLO, leader of her sector in the local market, has active role in local and foreign major key projects, by offering a competitive, customer focused reliable services & products with on time deliveries.

ERSE KABLO products are supplied to over 30 countries; mainly to England, Germany, Austria, Hungary, Romania, Bulgaria, Latvia,Lithuania, Russia, Georgia, Kazakhistan, Egypt, Iraq, Jordan, Qatar, Oman, Pakistan and Kuwait.

ERSE KABLO produces added value for her customers through a well-qualified management team as well as professional employees and a strong supplier chain. Our R&D department is continuously working towards the aim of early recognition of customer demand and a production-solution system with focus on customer satisfaction. ERSE KABLO is becoming a valuable and indispensable brand by combining the reliable and high quality products with unconditional customer satisfaction. Our main target is to become a brand that is in demand in the market with the customer-oriented company culture that does not make a concession from quality. We, ERSE KABLO would like to thank you all our customers who support us and we put our best into our service and products to repay our customers for their valuable supports.

Sincerely yours,

Selami Sivritepe
General Manager

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INDEX

RE-Y(St)Y/Yv-fl (MULTICORE)
CU/PVC/OSCR/PVC

PVC INSULATED,OVERALL SCREEN, MULTICORE
INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.41 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 170 pF/m 0.75 mm^2 = 170 pF/m 1.0 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m 2.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME PROPAGATION	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-Y(St)Y/Yv-fl (MULTICORE)
CU/PVC/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72050020	2x0.50	5.60	14	45	500/1000
72050030	3X0.50	5.80	18	50	500/1000
72050040	4X0.50	6.30	23	58	500/1000
72050050	5X0.50	6.90	28	68	500/1000
72050060	6X0.50	7.40	32	78	500/1000
72050070	7X0.50	7.40	37	84	500/1000
72050100	10X0.50	9.40	51	115	500/1000
72050120	12X0.50	9.60	92	135	500/1000
72050190	19X0.50	11.50	115	201	500/1000
72050240	24X0.50	13.20	144	248	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72075020	2X0.75	6,00	19	50	500/1000
72075030	3X0.75	6.20	26	59	500/1000
72075040	4X0.75	6.60	33	72	500/1000
72075050	5X0.75	7.30	40	87	500/1000
72075060	6X0.75	7.90	47	102	500/1000
72075070	7X0.75	7.90	54	109	500/1000
72075100	10X0.75	10.10	75	152	500/1000
72075120	12X0.75	10.40	89	173	500/1000
72075190	19X0.75	12.30	138	260	500/1000
72075240	24X0.75	14.40	173	328	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72001020	2x1	6.40	23	58	500/1000
72001030	3X1	6.70	32	70	500/1000
72001040	4X1	7.20	41	88	500/1000
72001050	5X1	7.40	50	98	500/1000
72001060	6X1	8.70	60	121	500/1000
72001070	7X1	8.70	69	130	500/1000
72001100	10X1	11.10	97	192	500/1000
72001120	12X1	11.50	115	220	500/1000
72001190	19X1	13.40	180	322	500/1000
72001240	24X1	15.70	225	405	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72015020	2X1.50	7,00	33	70	500/1000
72015030	3X1.50	7.40	47	91	500/1000
72015040	4X1.50	8,00	61	111	500/1000
72015050	5X1.50	9,00	76	137	500/1000
72015060	6X1.50	9.70	90	165	500/1000
72015070	7X1.50	9.70	104	179	500/1000
72015100	10X1.50	12.40	147	253	500/1000
72015120	12X1.50	12.80	175	292	500/1000
72015190	19X1.50	15.10	274	445	500/1000
72015240	24X1.50	17.80	345	556	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72025020	2X2.50	8.50	49	100	500/1000
72025030	3X2.50	8.80	71	130	500/1000
72025040	4X2.50	9.60	93	163	500/1000
72025050	5X2.50	10.60	115	200	500/1000
72025060	6X2.50	11.70	137	243	500/1000
72025070	7X2.50	11.70	159	265	500/1000
72025100	10X2.50	15,00	225	374	500/1000
72025120	12X2.50	15.40	267	433	500/1000
72025190	19X2.50	18.30	423	665	500/1000
72025240	24X2.50	21.50	533	830	500/1000

RE-Y(St)Y/Yv-fl (MULTIPAIR) CU/PVC/OSCR/PVC

**PVC INSULATED, OVERALL SCREEN,
MULTI PAIR INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/2)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 120 pF/m 0.75 mm^2 = 120 pF/m 1.0 mm^2 = 120 pF/m 1.30 mm^2 = 130 pF/m 1.5 mm^2 = 130 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-Y(St)Y/Yv-fl (MULTIPAIR)
CU/PVC/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72150010	1X2x0.50	5.60	14	45	500/1000
72150020	2X2X0.50	8.20	23	60	500/1000
72150040	4X2X0.50	9.40	42	100	500/1000
72150060	6X2X0.50	11.00	60	140	500/1000
72150080	8X2X0.50	11.80	78	165	500/1000
72150100	10X2X0.50	13.80	97	210	500/1000
72150120	12X2X0.50	14.20	115	235	500/1000
72150160	16X2X0.50	16.00	152	300	500/1000
72150200	20X2X0.50	18.00	189	370	500/1000
72150240	24X2X0.50	19.50	225	430	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72175010	1X2X0.75	6.00	19	50	500/1000
72175020	2X2X0.75	9.00	33	80	500/1000
72175040	4X2X0.75	10.20	60	120	500/1000
72175060	6X2X0.75	12.20	88	170	500/1000
72175080	8X2X0.75	13.40	117	220	500/1000
72175100	10X2X0.75	15.00	144	260	500/1000
72175120	12X2X0.75	15.80	173	305	500/1000
72175160	16X2X0.75	18.00	229	400	500/1000
72175200	20X2X0.75	20.00	285	480	500/1000
72175240	24X2X0.75	21.50	340	570	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72101010	1X2x1	6.40	23	58	500/1000
72101020	2X2X1	9.60	41	100	500/1000
72101040	4X2X1	11.00	77	140	500/1000
72101060	6x2X1	13.50	113	220	500/1000
72101080	8X2X1	14.40	149	260	500/1000
72101100	10X2X1	16.20	185	320	500/1000
72101120	12X2X1	16.80	221	370	500/1000
72101160	16X2X1	19.50	293	500	500/1000
72101200	20X2X1	21.50	365	602	500/1000
72101240	24X2X1	23.50	437	730	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72113010	1X2X1.30	6.80	29	90	500/1000
72113020	2X2X1.30	10.00	53	115	500/1000
72113040	4X2X1.30	11.60	101	170	500/1000
72113060	6x2X1.30	14.30	149	260	500/1000
72113080	8X2X1.30	15.20	197	320	500/1000
72113100	10X2X1.30	17.20	245	410	500/1000
72113120	12X2X1.30	18.40	293	480	500/1000
72113160	16X2X1.30	20.80	389	600	500/1000
72113200	20X2X1.30	23.30	485	780	500/1000
72113240	24X2X1.30	25.40	581	890	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72115010	1X2X1.50	7.00	33	100	500/1000
72115020	2X2X1.50	11.20	61	135	500/1000
72115040	4X2X1.50	13.30	117	220	500/1000
72115060	6x2X1.50	16.00	173	310	500/1000
72115080	8X2X1.50	17.00	229	380	500/1000
72115100	10X2X1.50	20.00	285	480	500/1000
72115120	12X2X1.50	21.00	341	560	500/1000
72115160	16X2X1.50	24.00	453	740	500/1000
72115200	20X2X1.50	26.50	565	890	500/1000
72115240	24X2X1.50	29.00	677	1080	500/1000

RE-Y(St)Y/Yv-fl PIMF
CU/PVC/PSCR/OSCR/PVC

PVC INSULATED, INDIVIDUAL AND OVERALL SCREEN INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMINICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

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Fl* = FLAME RETARDANT OUTER SHEATH

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RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 160 pF/m 0.75 mm^2 = 160 pF/m 1.0 mm^2 = 160 pF/m 1.30 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 2.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-Y(St)Y/Yv-fl PIMF
CU/PVC/PSCR/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72250020	2X2X0.50	9.10	32	90	500/1000
72250040	4X2X0.50	10.60	60	130	500/1000
72250060	6X2X0.50	13.00	88	185	500/1000
72250080	8X2X0.50	14.10	115	220	500/1000
72250100	10X2X0.50	16.50	143	270	500/1000
72250120	12X2X0.50	17.20	170	300	500/1000
72250160	16X2X0.50	19.30	225	400	500/1000
72250200	20X2X0.50	21.40	280	475	500/1000
72250240	24X2X0.50	24.00	336	565	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72275020	2X2X0.75	9.80	42	110	500/1000
72275040	4X2X0.75	11.60	79	145	500/1000
72275060	6X2X0.75	14.10	116	230	500/1000
72275080	8X2X0.75	15.20	154	270	500/1000
72275100	10X2X0.75	18.10	191	330	500/1000
72275120	12X2X0.75	18.70	228	400	500/1000
72275160	16X2X0.75	21.10	302	500	500/1000
72275200	20X2X0.75	23.50	377	600	500/1000
72275240	24X2X0.75	26.30	451	730	500/1000

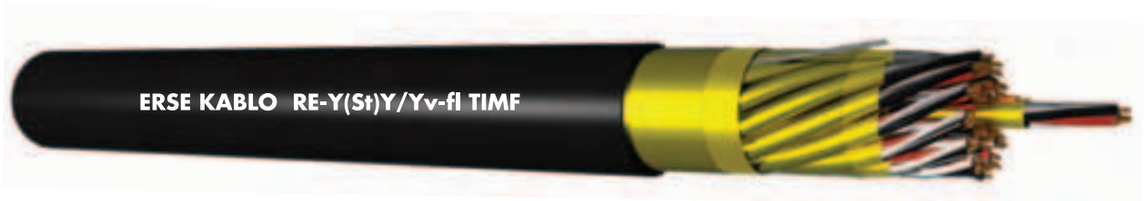
CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72201020	2X2X1	10.50	51	125	500/1000
72201040	4X2X1	12.50	98	185	500/1000
72201060	6x2X1	15.20	145	270	500/1000
72201080	8X2X1	16.70	192	325	500/1000
72201100	10X2X1	19.70	239	415	500/1000
72201120	12X2X1	20.40	285	465	500/1000
72201160	16X2X1	22.80	379	590	500/1000
72201200	20X2X1	25.60	473	740	500/1000
72201240	24X2X1	28.70	566	850	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72213020	2X2X1.30	11.50	63	145	500/1000
72213040	4X2X1.30	13.30	120	220	500/1000
72213060	6x2X1.30	16.40	179	315	500/1000
72213080	8X2X1.30	17.80	237	390	500/1000
72213100	10X2X1.30	21.10	295	480	500/1000
72213120	12X2X1.30	22.00	353	540	500/1000
72213160	16X2X1.30	24.70	467	740	500/1000
72213200	20X2X1.30	27.60	585	950	500/1000
72213240	24X2X1.30	31.00	700	1050	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72215020	2X2X1.50	11.80	70	165	500/1000
72215040	4X2X1.50	14.10	135	255	500/1000
72215060	6x2X1.50	16.90	200	335	500/1000
72215080	8X2X1.50	18.40	265	430	500/1000
72215100	10X2X1.50	22.00	331	525	500/1000
72215120	12X2X1.50	22.80	396	620	500/1000
72215160	16X2X1.50	25.60	526	825	500/1000
72215200	20X2X1.50	28.70	657	1050	500/1000
72215240	24X2X1.50	32.10	787	1230	500/1000

RE-Y(St)Y/Yv fl TIMF
CU/PVC/TSCR/OSCR/PVC

PVC INSULATED, INDIVIDUAL AND OVERALL SCREEN INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)



RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 160 pF/m 0.75 mm^2 = 160 pF/m 1.0 mm^2 = 160 pF/m 1.30 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1,50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-Y(St)Y/Yv-fl TIMF
CU/PVC/TSCR/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72350020	2X3x0.50	10.10	42	125	500/1000
72350040	4X3X0.50	12.00	79	203	500/1000
72350060	6X3X0.50	14.50	116	288	500/1000
72350080	8X3X0.50	15.50	152	358	500/1000
72350100	10X3X0.50	18.50	189	452	500/1000
72350120	12X3X0.50	19.20	225	522	500/1000
72350160	16X3X0.50	21.50	299	678	500/1000
72350200	20X3X0.50	24.00	373	843	500/1000
72350240	24X3X0.50	27.50	447	1020	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72375020	2X3X0.75	10.80	55	145	500/1000
72375040	4X3X0.75	12.80	106	238	500/1000
72375060	6X3X0.75	15.60	157	361	500/1000
72375080	8X3X0.75	17.10	207	442	500/1000
72375100	10X3X0.75	20.30	258	564	500/1000
72375120	12X3X0.75	21.00	308	651	500/1000
72375160	16X3X0.75	23.50	410	854	500/1000
72375200	20X3X0.75	26.30	511	1050	500/1000
72375240	24X2X0.75	29.50	611	1250	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72301020	2X3X1	11.80	70	176	500/1000
72301040	4X3X1	13.80	135	247	500/1000
72301060	6x3X1	17.00	200	437	500/1000
72301080	8X3X1	18.30	266	534	500/1000
72301100	10X3X1	22.00	331	687	500/1000
72301120	12X3X1	22.80	396	794	500/1000
72301160	16X3X1	25.50	526	1005	500/1000
72301200	20X3X1	28.50	658	1270	500/1000
72301240	24X3X1	32.00	788	1466	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72313020	2X3X1.30	12.70	86	205	500/1000
72313040	4X3X1.30	15.10	168	343	500/1000
72313060	6x3X1.30	18.30	249	518	500/1000
72313080	8X3X1.30	20.10	331	644	500/1000
72313100	10X3X1.30	24.00	414	811	500/1000
72313120	12X3X1.30	25.00	495	944	500/1000
72313160	16X3X1.30	28.00	658	1254	500/1000
72313200	20X3X1.30	31.20	823	1543	500/1000
72313240	24X3X1.30	35.00	986	1844	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72315020	2X3X1.50	13.00	98	224	500/1000
72315040	4X3X1.50	15.50	191	376	500/1000
72315060	6x3X1.50	19.00	284	568	500/1000
72315080	8X3X1.50	20.80	377	710	500/1000
72315100	10X3X1.50	24.80	471	898	500/1000
72315120	12X3X1.50	25.70	564	1052	500/1000
72315160	16X3X1.50	28.80	750	1384	500/1000
72315200	20X3X1.50	32.20	937	1700	500/1000
72315240	24X3X1.50	36.40	1123	2050	500/1000

RE-Y(St)YSWAY-fl MULTICORE CU/PVC/OSCR/PVC/SWA/PVC

PVC INSULATED, OVERALL SCREEN, STEEL WIRE ARMOUR, MULTICORE INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

- GOOD EMC* CHARACTERISTICS
- SUITABLE FOR BURRY TO UNDERGROUND
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Fv* =REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.41 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 170 pF/m 0.75 mm^2 = 170 pF/m 1.0 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m 2.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10x Cable Ø

RE-Y(St)YSWAY-fl MULTICORE
CU/PVC/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72850020	2x0.50	14	5.80	10.40	205	500/1000
72850030	3X0.50	18	6.00	10.60	217	500/1000
72850040	4X0.50	23	6.50	11.10	234	500/1000
72850050	5X0.50	28	7.10	11.90	266	500/1000
72850060	6X0.50	32	7.60	12.40	291	500/1000
72850070	7X0.50	37	7.60	12.40	300	500/1000
72850100	10X0.50	51	9.40	14.20	367	500/1000
72850120	12X0.50	92	9.60	14.40	394	500/1000
72850190	19X0.50	115	11.20	16.20	500	500/1000
72850240	24X0.50	144	13.00	18.00	591	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72875020	2X0.75	19	6.20	10.80	218	500/1000
72875030	3X0.75	26	6.40	11.00	235	500/1000
72875040	4X0.75	33	6.80	11.40	254	500/1000
72875050	5X0.75	40	7.50	12.30	296	500/1000
72875060	6X0.75	47	8.10	12.90	324	500/1000
72875070	7X0.75	54	8.10	12.90	333	500/1000
72875100	10X0.75	75	10.10	14.90	420	500/1000
72875120	12X0.75	89	10.40	15.20	450	500/1000
72875190	19X0.75	138	12.10	17.10	580	500/1000
72875240	24X0.75	173	14.00	19.00	680	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72801020	2x1	23	6.60	11.40	238	500/1000
72801030	3X1	32	6.90	11.50	258	500/1000
72801040	4X1	41	7.40	12.20	289	500/1000
72801050	5X1	50	7.60	12.40	310	500/1000
72801060	6X1	60	8.70	13.50	359	500/1000
72801070	7X1	69	8.70	13.50	368	500/1000
72801100	10X1	97	10.90	15.90	480	500/1000
72801120	12X1	115	11.30	16.30	519	500/1000
72801190	19X1	180	13.20	18.20	660	500/1000
72801240	24X1	225	15.30	21.20	911	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72815020	2X1.50	33	7.20	12.00	271	500/1000
72815030	3X1.50	47	7.60	12.40	298	500/1000
72815040	4X1.50	61	8.20	13.00	334	500/1000
72815050	5X1.50	76	9.00	13.80	380	500/1000
72815060	6X1.50	90	9.70	14.50	424	500/1000
72815070	7X1.50	104	9.70	14.50	438	500/1000
72815100	10X1.50	147	12.20	17.20	570	500/1000
72815120	12X1.50	175	12.60	17.60	621	500/1000
72815190	19X1.50	274	14.70	19.90	820	500/1000
72815240	24X1.50	345	17.20	23.30	1119	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72825020	2X2.50	49	8.50	13.30	326	500/1000
72825030	3X2.50	71	8.80	13.60	371	500/1000
72825040	4X2.50	93	9.60	14.40	417	500/1000
72825050	5X2.50	115	10.60	15.60	488	500/1000
72825060	6X2.50	137	11.50	16.50	548	500/1000
72825070	7X2.50	159	11.50	16.50	568	500/1000
72825100	10X2.50	225	14.60	19.80	758	500/1000
72825120	12X2.50	267	15.00	20.20	825	500/1000
72825190	19X2.50	423	17.70	23.80	1305	500/1000
72825240	24X2.50	533	20.70	27.00	1514	500/1000

RE-Y(St)YSWAY-fl (MULTIPAIR)
CU/PVC/OSCR/PVC/SWA/PVC

PVC INSULATED, OVERALL SCREEN, STEEL WIRE ARMOUR, MULTIPAIR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- GOOD EMC* CHARACTERISTICS
- SUITABLE FOR BURRY TO UNDERGROUND
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 120 pF/m 0.75 mm^2 = 120 pF/m 1.0 mm^2 = 120 pF/m 1.3 mm^2 = 130 pF/m 1.5 mm^2 = 130 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-Y(St)YSWAY-fl (MULTIPAIR)
CU/PVC/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72950010	1X2x0.50	14	5.80	10.60	206	500/1000
72950020	2X2X0.50	23	8.00	12.80	289	500/1000
72950040	4X2X0.50	42	9.20	14.00	353	500/1000
72950060	6X2X0.50	60	11.00	16.00	452	500/1000
72950080	8X2X0.50	78	12.10	17.20	506	500/1000
72950100	10X2X0.50	97	13.60	18.60	580	500/1000
72950120	12X2X0.50	115	13.90	18.90	616	500/1000
72950160	16X2X0.50	152	15.80	21.70	860	500/1000
72950200	20X2X0.50	189	17.70	23.80	998	500/1000
72950240	24X2X0.50	225	19.10	25.20	115	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72975010	1X2X0.75	19	6.20	10.80	222	500/1000
72975020	2X2X0.75	33	8.60	13.40	321	500/1000
72975040	4X2X0.75	60	10.00	14.80	400	500/1000
72975060	6X2X0.75	88	12.00	17.00	514	500/1000
72975080	8X2X0.75	117	13.20	18.20	582	500/1000
72975100	10X2X0.75	144	14.90	20.10	683	500/1000
72975120	12X2X0.75	173	15.20	21.10	841	500/1000
72975160	16X2X0.75	229	17.30	23.40	1013	500/1000
72975200	20X2X0.75	285	19.40	25.50	1165	500/1000
72975240	24X2X0.75	340	21.00	27.30	1320	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72901010	1X2x1	23	6.60	11.40	239	500/1000
72901020	2X2X1	41	9.20	14.00	353	500/1000
72901040	4X2X1	77	10.80	15.50	450	500/1000
72901060	6x2X1	113	13.00	18.00	585	500/1000
72901080	8X2X1	149	14.30	19.50	668	500/1000
72901100	10X2X1	185	16.20	22.10	891	500/1000
72901120	12X2X1	221	16.50	22.40	957	500/1000
72901160	16X2X1	293	19.10	25.20	1185	500/1000
72901200	20X2X1	365	21.10	27.40	1368	500/1000
72901240	24X2X1	437	22.90	29.20	1538	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72913010	1X2X1.30	29	7.00	11.80	259	500/1000
72913020	2X2X1.30	53	9.90	14.70	384	500/1000
72913040	4X2X1.30	101	11.60	16.60	500	500/1000
72913060	6x2X1.30	149	14.00	19.00	652	500/1000
72913080	8X2X1.30	197	15.40	21.30	860	500/1000
72913100	10X2X1.30	245	17.40	23.50	1020	500/1000
72913120	12X2X1.30	293	17.80	23.90	1147	500/1000
72913160	16X2X1.30	389	20.30	26.40	1327	500/1000
72913200	20X2X1.30	485	22.90	29.20	1562	500/1000
72913240	24X2X1.30	581	24.80	31.30	1695	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
72915010	1X2X1.50	33	7.20	12.00	272	500/1000
72915020	2X2X1.50	61	10.20	15.00	402	500/1000
72915040	4X2X1.50	117	12.00	17.00	528	500/1000
72915060	6x2X1.50	173	15.00	20.10	721	500/1000
72915080	8X2X1.50	229	16.20	22.10	926	500/1000
72915100	10X2X1.50	285	18.30	24.40	1087	500/1000
72915120	12X2X1.50	341	19.10	25.20	1201	500/1000
72915160	16X2X1.50	453	21.10	27.40	1446	500/1000
72915200	20X2X1.50	565	24.50	31.00	1725	500/1000
72915240	24X2X1.50	677	27.60	35.00	2211	500/1000

RE-Y(St)YSWAY-fl PIMF
CU/PVC/PSCR/OSCR/PVC/SWA/PVC

PVC INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- SUITABLE FOR BURRY TO UNDERGROUND
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 160 pF/m 0.75 mm^2 = 160 pF/m 1.0 mm^2 = 160 pF/m 1.30 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-Y(St)YSWAY-fl PIMF
CU/PVC/PSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73050020	2X2X0.50	32	9.10	14.00	340	500/1000
73050040	4X2X0.50	60	10.60	15.50	430	500/1000
73050060	6X2X0.50	88	12.60	17.50	550	500/1000
73050080	8X2X0.50	115	13.70	18.80	610	500/1000
73050100	10X2X0.50	143	16.00	22.00	850	500/1000
73050120	12X2X0.50	170	16.60	22.50	910	500/1000
73050160	16X2X0.50	225	18.50	24.50	1090	500/1000
73050200	20X2X0.50	280	20.60	27.00	1270	500/1000
73050240	24X2X0.50	336	23.00	30.00	1460	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73075020	2X2X0.75	42	9.80	14.50	370	500/1000
73075040	4X2X0.75	79	11.40	16.50	475	500/1000
73075060	6X2X0.75	116	13.80	18.80	615	500/1000
73075080	8X2X0.75	154	14.80	20.00	700	500/1000
73075100	10X2X0.75	191	17.50	24.00	980	500/1000
73075120	12X2X0.75	228	18.00	24.50	1050	500/1000
73075160	16X2X0.75	302	20.40	26.50	1250	500/1000
73075200	20X2X0.75	377	22.50	29.00	1450	500/1000
73075240	24X2X0.75	451	25.00	32.00	1680	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73001020	2X2X1	51	10.50	15.50	411	500/1000
73001040	4X2X1	98	12.30	17.50	530	500/1000
73001060	6x2X1	145	14.80	20.00	695	500/1000
73001080	8X2X1	192	16.00	21.50	895	500/1000
73001100	10X2X1	239	19.00	25.00	1085	500/1000
73001120	12X2X1	285	19.60	26.00	1180	500/1000
73001160	16X2X1	379	21.80	28.00	1415	500/1000
73001200	20X2X1	473	24.50	31.00	1670	500/1000
73001240	24X2X1	566	27.50	35.00	2130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73013020	2X2X1.30	63	11.30	16.50	455	500/1000
73013040	4X2X1.30	120	13.00	18.00	580	500/1000
73013060	6x2X1.30	179	16.00	21.00	875	500/1000
73013080	8X2X1.30	237	17.40	23.50	1010	500/1000
73013100	10X2X1.30	295	20.50	26.50	1210	500/1000
73013120	12X2X1.30	353	21.00	27.50	1320	500/1000
73013160	16X2X1.30	467	23.50	30.00	1600	500/1000
73013200	20X2X1.30	585	26.50	34.00	2050	500/1000
73013240	24X2X1.30	700	30.00	37.50	2420	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73015020	2X2X1.50	70	11.50	16.80	470	500/1000
73015040	4X2X1.50	135	14.00	19.00	615	500/1000
73015060	6x2X1.50	200	16.50	22.50	925	500/1000
73015080	8X2X1.50	265	18.00	24.00	1060	500/1000
73015100	10X2X1.50	331	21.00	27.50	1300	500/1000
73015120	12X2X1.50	396	22.00	28.00	1470	500/1000
73015160	16X2X1.50	526	24.50	31.00	1715	500/1000
73015200	20X2X1.50	657	27.50	35.00	2221	500/1000
73015240	24X2X1.50	787	31.00	39.00	2600	500/1000

RE-Y(St)YSWAY-fl TIMF
CU/PVC/TSCR/OSCR/PVC/SWA/PVC

PVC INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-1 PVC COMPAUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- SUITABLE FOR BURRY TO UNDERGROUND
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 160 pF/m 0.75 mm^2 = 160 pF/m 1.0 mm^2 = 160 pF/m 1.30 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-Y(St)YSWAY-fl TIMF
CU/PVC/TSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73150020	2X3X0.50	42	10.40	15.00	385	500/1000
73150040	4X3X0.50	79	12.00	16.80	490	500/1000
73150060	6X3X0.50	116	14.30	19.10	630	500/1000
73150080	8X3X0.50	152	15.50	21.20	830	500/1000
73150100	10X3X0.50	189	18.30	24.20	1010	500/1000
73150120	12X3X0.50	225	18.90	24.80	1085	500/1000
73150160	16X3X0.50	299	21.00	27.40	1315	500/1000
73150200	20X3X0.50	373	23.40	29.50	1520	500/1000
73150240	24X3X0.50	447	26.20	33.00	1930	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73175020	2X3X0.75	55	11.10	15.90	430	500/1000
73175040	4X3X0.75	106	12.90	17.70	550	500/1000
73175060	6X3X0.75	157	15.50	21.20	845	500/1000
73175080	8X3X0.75	207	16.80	22.50	960	500/1000
73175100	10X3X0.75	258	19.80	25.70	1185	500/1000
73175120	12X3X0.75	308	20.50	26.40	1290	500/1000
73175160	16X3X0.75	410	22.80	28.90	1545	500/1000
73175200	20X3X0.75	511	25.40	31.70	1800	500/1000
73175240	24X3X0.75	611	28.80	36.00	2360	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73101020	2X3X1	70	11.90	16.70	475	500/1000
73101040	4X3X1	135	13.70	18.70	630	500/1000
73101060	6x3X1	200	16.60	22.30	960	500/1000
73101080	8X3X1	266	18.00	23.90	1130	500/1000
73101100	10X3X1	331	20.70	27.40	1370	500/1000
73101120	12X3X1	396	22.00	28.10	1480	500/1000
73101160	16X3X1	526	24.80	31.10	1800	500/1000
73101200	20X3X1	658	27.40	34.40	2300	500/1000
73101240	24X3X1	788	31.10	38.50	2740	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73113020	2X3X1.30	86	12.80	17.60	525	500/1000
73113040	4X3X1.30	168	15.00	20.00	730	500/1000
73113060	6x3X1.30	249	18.00	23.90	1090	500/1000
73113080	8X3X1.30	331	19.60	25.50	1270	500/1000
73113100	10X3X1.30	414	23.20	29.30	1580	500/1000
73113120	12X3X1.30	495	24.00	30.10	1700	500/1000
73113160	16X3X1.30	658	26.80	33.80	2280	500/1000
73113200	20X3X1.30	823	30.30	37.50	2700	500/1000
73113240	24X3X1.30	986	33.90	41.30	3150	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73115020	2X3X1.50	98	13.20	18.00	555	500/1000
73115040	4X3X1.50	191	15.40	20.40	760	500/1000
73115060	6x3X1.50	284	18.60	24.50	1140	500/1000
73115080	8X3X1.50	377	20.20	26.10	1340	500/1000
73115100	10X3X1.50	471	23.90	30.00	1620	500/1000
73115120	12X3X1.50	564	24.80	31.10	1820	500/1000
73115160	16X3X1.50	750	28.10	35.30	2450	500/1000
73115200	20X3X1.50	937	31.30	38.70	2830	500/1000
73115240	24X3X1.50	1123	35.00	42.60	3320	500/1000

RE-Y(St)YQY-fl MULTIPAIR
CU/PVC/OSCR/GSWB/PVC

PVC INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE BRAIDING INSTRUMENTATION CABLES (EN 50288/7-BS 5308/2)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ; DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE,PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED STEEL WIRE BRAIDING
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 120 pF/m 0.75 mm^2 = 120 pF/m 1.0 mm^2 = 120 pF/m 1.30 mm^2 = 130 pF/m 1.5 mm^2 = 130 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	8X Cable Ø

RE-Y(St)YQY-fl MULTIPAIR CU/PVC/OSCR/GSWB/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73750010	1X2x0.50	14	5.80	10.00	140	500/1000
73750020	2X2X0.50	23	8.00	12.20	184	500/1000
73750040	4X2X0.50	42	9.20	13.40	237	500/1000
73750060	6X2X0.50	60	11.00	15.40	321	500/1000
73750080	8X2X0.50	78	12.00	16.50	359	500/1000
73750100	10X2X0.50	97	13.60	18.00	417	500/1000
73750120	12X2X0.50	115	14.00	18.30	456	500/1000
73750160	16X2X0.50	152	15.80	20.40	568	500/1000
73750200	20X2X0.50	189	17.80	22.50	663	500/1000
73750240	24X2X0.50	225	19.00	24.00	750	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73775010	1X2X0.75	19	6.20	10.20	160	500/1000
73775020	2X2X0.75	33	8.60	12.80	219	500/1000
73775040	4X2X0.75	60	10.00	14.20	278	500/1000
73775060	6X2X0.75	88	12.00	16.40	373	500/1000
73775080	8X2X0.75	117	13.20	17.60	420	500/1000
73775100	10X2X0.75	144	15.00	19.50	496	500/1000
73775120	12X2X0.75	173	15.20	20.00	564	500/1000
73775160	16X2X0.75	229	17.30	22.20	708	500/1000
73775200	20X2X0.75	285	19.50	24.30	822	500/1000
73775240	24X2X0.75	340	21.00	26.00	956	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73701010	1X2x1	23	6.60	10.80	180	500/1000
73701020	2X2X1	41	9.20	13.40	250	500/1000
73701040	4X2X1	77	10.80	15.20	325	500/1000
73701060	6x2X1	113	13.00	17.40	428	500/1000
73701080	8X2X1	149	14.30	19.00	501	500/1000
73701100	10X2X1	185	16.20	21.00	607	500/1000
73701120	12X2X1	221	16.50	21.30	672	500/1000
73701160	16X2X1	293	19.00	24.00	840	500/1000
73701200	20X2X1	365	21.00	26.20	997	500/1000
73701240	24X2X1	437	23.00	28.00	1139	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73713010	1X2X1.30	29	7.00	11.20	195	500/1000
73713020	2X2X1.30	53	10.00	14.00	272	500/1000
73713040	4X2X1.30	101	11.60	16.00	365	500/1000
73713060	6x2X1.30	149	14.00	18.40	484	500/1000
73713080	8X2X1.30	197	15.50	20.00	587	500/1000
73713100	10X2X1.30	245	17.50	22.30	718	500/1000
73713120	12X2X1.30	293	17.80	22.70	797	500/1000
73713160	16X2X1.30	389	20.30	25.20	989	500/1000
73713200	20X2X1.30	485	23.00	28.00	1180	500/1000
73713240	24X2X1.30	581	25.00	30.00	1369	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
73715010	1X2X1.50	33	7.20	11.50	215	500/1000
73715020	2X2X1.50	61	10.20	14.50	300	500/1000
73715040	4X2X1.50	117	12.00	16.50	385	500/1000
73715060	6x2X1.50	173	15.00	19.50	535	500/1000
73715080	8X2X1.50	229	16.20	21.50	652	500/1000
73715100	10X2X1.50	285	18.30	23.80	784	500/1000
73715120	12X2X1.50	341	19.00	24.60	879	500/1000
73715160	16X2X1.50	453	21.00	26.80	1090	500/1000
73715200	20X2X1.50	565	24.50	30.50	1324	500/1000
73715240	24X2X1.50	677	27.60	34.40	1589	500/1000

RE-Y(St)YQY-fl PIMF
CU/PVC/PSCR/OSCR/GSWB/PVC

**PVC INSULATED, INDIVIDUAL AND OVERALL SCREEN,
WITH STEEL WIRE BRAIDING INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/2)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-21 PVC COMPOUND
3- COLOUR CODE	BS-5308 PART-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMINICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED STEEL WIRE BRAIDING
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	100 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 160 pF/m 0.75 mm^2 = 160 pF/m 1.0 mm^2 = 160 pF/m 1.30 mm^2 = 170 pF/m 1.5 mm^2 = 170 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-50266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	8X Cable Ø

RE-Y(St)YQY-fl PIMF
CU/PVC/PSCR/OSCR/GSWB/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74050020	2X2X0.50	32	9.10	13.30	213	500/1000
74050040	4X2X0.50	60	10.60	15.00	296	500/1000
74050060	6X2X0.50	88	12.60	17.00	377	500/1000
74050080	8X2X0.50	115	13.70	18.00	441	500/1000
74050100	10X2X0.50	143	16.10	20.70	570	500/1000
74050120	12X2X0.50	170	16.60	21.20	680	500/1000
74050160	16X2X0.50	225	18.50	23.30	800	500/1000
74050200	20X2X0.50	280	20.60	25.60	913	500/1000
74050240	24X2X0.50	336	23.00	28.20	1064	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74075020	2X2X0.75	42	10.40	13.80	244	500/1000
74075040	4X2X0.75	79	12.50	15.80	346	500/1000
74075060	6X2X0.75	116	13.70	18.00	446	500/1000
74075080	8X2X0.75	154	14.80	19.40	514	500/1000
74075100	10X2X0.75	191	17.50	22.30	644	500/1000
74075120	12X2X0.75	228	18.10	23.00	713	500/1000
74075160	16X2X0.75	302	20.30	25.00	891	500/1000
74075200	20X2X0.75	377	22.50	27.50	1060	500/1000
74075240	24X2X0.75	451	25.10	30.30	1251	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74001020	2X2X1	51	10.50	14.90	286	500/1000
74001040	4X2X1	98	13.50	16.70	380	500/1000
74001060	6x2X1	145	14.80	19.40	505	500/1000
74001080	8X2X1	192	16.10	20.00	630	500/1000
74001100	10X2X1	239	18.90	23.70	769	500/1000
74001120	12X2X1	285	19.60	22.40	854	500/1000
74001160	16X2X1	379	21.80	26.80	1049	500/1000
74001200	20X2X1	473	24.40	29.60	1199	500/1000
74001240	24X2X1	566	27.30	32.70	1474	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74013020	2X2X1.30	63	11.30	15.70	316	500/1000
74013040	4X2X1.30	120	14.00	17.50	420	500/1000
74013060	6x2X1.30	179	14.50	19.70	613	500/1000
74013080	8X2X1.30	237	17.20	22.00	722	500/1000
74013100	10X2X1.30	295	20.30	25.00	880	500/1000
74013120	12X2X1.30	353	21.00	26.00	987	500/1000
74013160	16X2X1.30	467	23.50	28.50	1201	500/1000
74013200	20X2X1.30	585	26.20	31.40	1483	500/1000
74013240	24X2X1.30	700	29.80	35.20	1776	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74015020	2X2X1.50	70	11.60	16.00	330	500/1000
74015040	4X2X1.50	135	14.50	18.00	451	500/1000
74015060	6x2X1.50	200	16.30	20.90	650	500/1000
74015080	8X2X1.50	265	17.80	22.60	762	500/1000
74015100	10X2X1.50	331	21.00	26.00	933	500/1000
74015120	12X2X1.50	396	21.80	26.80	1053	500/1000
74015160	16X2X1.50	526	24.40	29.60	1314	500/1000
74015200	20X2X1.50	657	27.30	32.70	1597	500/1000
74015240	24X2X1.50	787	30.90	36.50	1944	500/1000

RE-2Y(St)Y/Yv-fl (MULTICORE) CU/PE/OSCR/PVC

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTICORE INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- FLEXIBLE
- SMALL BENDING RADIUS
- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2Y(St)Y/Yv-fl (MULTICORE) (CU/PE/OSCR/PVC)

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74450020	2x0.50	5.60	14	44	500/1000
74450030	3X0.50	5.80	18	49	500/1000
74450040	4X0.50	6.30	23	57	500/1000
74450050	5X0.50	6.90	28	67	500/1000
74450060	6X0.50	7.40	32	76	500/1000
74450070	7X0.50	7.40	37	82	500/1000
74450100	10X0.50	9.40	51	112	500/1000
74450120	12X0.50	9.60	92	132	500/1000
74450190	19X0.50	11.50	115	197	500/1000
74450240	24X0.50	13.20	144	243	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74475020	2X0.75	6.00	19	49	500/1000
74475030	3X0.75	6.20	26	58	500/1000
74475040	4X0.75	6.60	33	71	500/1000
74475050	5X0.75	7.30	40	85	500/1000
74475060	6X0.75	7.90	47	100	500/1000
74475070	7X0.75	7.90	54	107	500/1000
74475100	10X0.75	10.10	75	150	500/1000
74475120	12X0.75	10.40	89	170	500/1000
74475190	19X0.75	12.30	138	255	500/1000
74475240	24X0.75	14.40	173	320	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74401020	2x1	2x1	23	57	500/1000
74401030	3X1	3X1	32	69	500/1000
74401040	4X1	4X1	41	87	500/1000
74401050	5X1	5X1	50	96	500/1000
74401060	6X1	6X1	60	119	500/1000
74401070	7X1	7X1	69	128	500/1000
74401100	10X1	10X1	97	192	500/1000
74401120	12X1	12X1	115	216	500/1000
74401190	19X1	19X1	180	315	500/1000
74401240	24X1	24X1	225	398	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74415020	2X1.50	7.00	33	69	500/1000
74415030	3X1.50	7.40	47	89	500/1000
74415040	4X1.50	8.00	61	109	500/1000
74415050	5X1.50	9.00	76	134	500/1000
74415060	6X1.50	9.70	90	160	500/1000
74415070	7X1.50	9.70	104	174	500/1000
74415100	10X1.50	12.40	147	245	500/1000
74415120	12X1.50	12.80	175	285	500/1000
74415190	19X1.50	15.10	274	435	500/1000
74415240	24X1.50	17.80	345	544	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74425020	2X2.50	8.50	49	98	500/1000
74425030	3X2.50	8.80	71	127	500/1000
74425040	4X2.50	9.60	93	159	500/1000
74425050	5X2.50	10.60	115	195	500/1000
74425060	6X2.50	11.70	137	236	500/1000
74425070	7X2.50	11.70	159	260	500/1000
74425100	10X2.50	15.00	225	364	500/1000
74425120	12X2.50	15.40	267	428	500/1000
74425190	19X2.50	18.30	423	650	500/1000
74425240	24X2.50	21.50	533	810	500/1000

RE-2Y(St)Y/Yv-fl (MULTIPAIR) CU/PE/OSCR/PVC

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTIPAIR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2Y(St)Y/Yv-fl (MULTIPAIR)
CU/PE/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74550010	1X2x0.50	5.60	14	44	500/1000
74550020	2X2X0.50	8.20	23	59	500/1000
74550040	4X2X0.50	9.40	42	98	500/1000
74550060	6X2X0.50	11.00	60	137	500/1000
74550080	8X2X0.50	11.80	78	162	500/1000
74550100	10X2X0.50	13.80	97	206	500/1000
74550120	12X2X0.50	14.20	115	230	500/1000
74550160	16X2X0.50	16.00	152	295	500/1000
74550200	20X2X0.50	18.00	189	360	500/1000
74550240	24X2X0.50	19.50	225	415	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74575010	1X2X0.75	6.00	19	49	500/1000
74575020	2X2X0.75	9.00	33	78	500/1000
74575040	4X2X0.75	10.20	60	117	500/1000
74575060	6X2X0.75	12.20	88	166	500/1000
74575080	8X2X0.75	13.40	117	215	500/1000
74575100	10X2X0.75	15.00	144	253	500/1000
74575120	12X2X0.75	15.80	173	295	500/1000
74575160	16X2X0.75	18.00	229	385	500/1000
74575200	20X2X0.75	20.00	285	465	500/1000
74575240	24X2X0.75	21.50	340	550	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74501010	1X2x1	6.40	23	57	500/1000
74501020	2X2X1	9.60	41	98	500/1000
74501040	4X2X1	11.00	77	136	500/1000
74501060	6x2X1	13.50	113	215	500/1000
74501080	8X2X1	14.40	149	250	500/1000
74501100	10X2X1	16.20	185	305	500/1000
74501120	12X2X1	16.80	221	355	500/1000
74501160	16X2X1	19.50	293	480	500/1000
74501200	20X2X1	21.50	365	580	500/1000
74501240	24X2X1	23.50	437	700	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74513010	1X2X1.30	6.80	29	88	500/1000
74513020	2X2X1.30	10.00	53	112	500/1000
74513040	4X2X1.30	11.60	101	165	500/1000
74513060	6x2X1.30	14.30	149	245	500/1000
74513080	8X2X1.30	15.20	197	310	500/1000
74513100	10X2X1.30	17.20	245	395	500/1000
74513120	12X2X1.30	18.40	293	460	500/1000
74513160	16X2X1.30	20.80	389	575	500/1000
74513200	20X2X1.30	23.30	485	750	500/1000
74513240	24X2X1.30	25.40	581	850	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74515010	1X2X1.50	7.00	33	97	500/1000
74515020	2X2X1.50	11.20	61	130	500/1000
74515040	4X2X1.50	13.30	117	210	500/1000
74515060	6x2X1.50	16.00	173	295	500/1000
74515080	8X2X1.50	17.00	229	360	500/1000
74515100	10X2X1.50	20.00	285	460	500/1000
74515120	12X2X1.50	21.00	341	535	500/1000
74515160	16X2X1.50	24.00	453	710	500/1000
74515200	20X2X1.50	26.50	565	850	500/1000
74515240	24X2X1.50	29.00	677	1080	500/1000

RE-2Y(St)Y/Yv-fl PIMF
CU/PE/PSCR/OSCR/PVC

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK AND WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

4- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Fv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2Y(St)Y/Yv-fl PIMF
CU/PE/PSCR/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76450020	2X2X0.50	9.10	32	88	500/1000
76450040	4X2X0.50	10.60	60	128	500/1000
76450060	6X2X0.50	13.00	88	182	500/1000
76450080	8X2X0.50	14.10	115	215	500/1000
76450100	10X2X0.50	16.50	143	264	500/1000
76450120	12X2X0.50	17.20	170	293	500/1000
76450160	16X2X0.50	19.30	225	390	500/1000
76450200	20X2X0.50	21.40	280	460	500/1000
76450240	24X2X0.50	24.00	336	555	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76475020	2X2X0.75	9.80	42	107	500/1000
76475040	4X2X0.75	11.60	79	142	500/1000
76475060	6X2X0.75	14.10	116	225	500/1000
76475080	8X2X0.75	15.20	154	265	500/1000
76475100	10X2X0.75	18.10	191	322	500/1000
76475120	12X2X0.75	18.70	228	388	500/1000
76475160	16X2X0.75	21.10	302	485	500/1000
76475200	20X2X0.75	23.50	377	582	500/1000
76475240	24X2X0.75	26.30	451	712	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76401020	2X2X1	10.50	51	122	500/1000
76401040	4X2X1	12.50	98	180	500/1000
76401060	6x2X1	15.20	145	264	500/1000
76401080	8X2X1	16.70	192	317	500/1000
76401100	10X2X1	19.70	239	408	500/1000
76401120	12X2X1	20.40	285	455	500/1000
76401160	16X2X1	22.80	379	575	500/1000
76401200	20X2X1	25.60	473	735	500/1000
76401240	24X2X1	28.70	566	830	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76413020	2X2X1.30	11.50	63	141	500/1000
76413040	4X2X1.30	13.30	120	215	500/1000
76413060	6x2X1.30	16.40	179	309	500/1000
76413080	8X2X1.30	17.80	237	390	500/1000
76413100	10X2X1.30	21.10	295	470	500/1000
76413120	12X2X1.30	22.00	353	530	500/1000
76413160	16X2X1.30	24.70	467	728	500/1000
76413200	20X2X1.30	27.60	585	930	500/1000
76413240	24X2X1.30	31.00	700	1020	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76415020	2X2X1.50	11.80	70	161	500/1000
76415040	4X2X1.50	14.10	135	250	500/1000
76415060	6x2X1.50	16.90	200	330	500/1000
76415080	8X2X1.50	18.40	265	420	500/1000
76415100	10X2X1.50	22.00	331	514	500/1000
76415120	12X2X1.50	22.80	396	608	500/1000
76415160	16X2X1.50	25.60	526	805	500/1000
76415200	20X2X1.50	28.70	657	1020	500/1000
76415240	24X2X1.50	32.10	787	1200	500/1000

RE-2Y(St)Y/Yv-fl TIMF
CU/PE/TSCR/OSCR/PVC

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2Y(St)Y-Yv-fl TIMF
CU/PE/TSCR/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76550020	2X3x0.50	10.10	42	125	500/1000
76550040	4X3X0.50	12.00	79	203	500/1000
76550060	6X3X0.50	14.50	116	288	500/1000
76550080	8X3X0.50	15.50	152	358	500/1000
76550100	10X3X0.50	18.50	189	452	500/1000
76550120	12X3X0.50	19.20	225	522	500/1000
76550160	16X3X0.50	21.50	299	678	500/1000
76550200	20X3X0.50	24.00	373	843	500/1000
76550240	24X3X0.50	27.50	447	1020	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76575020	2X3X0.75	10.80	55	145	500/1000
76575040	4X3X0.75	12.80	106	238	500/1000
76575060	6X3X0.75	15.60	157	361	500/1000
76575080	8X3X0.75	17.10	207	442	500/1000
76575100	10X3X0.75	20.30	258	564	500/1000
76575120	12X3X0.75	21.00	308	651	500/1000
76575160	16X3X0.75	23.50	410	854	500/1000
76575200	20X3X0.75	26.30	511	1050	500/1000
76575240	24X2X0.75	29.50	611	1250	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76501020	2X3X1	11.80	70	176	500/1000
76501040	4X3X1	13.80	135	247	500/1000
76576060	6x3X1	17.00	200	437	500/1000
76578080	8X3X1	18.30	266	534	500/1000
76575100	10X3X1	22.00	331	687	500/1000
76575120	12X3X1	22.80	396	794	500/1000
76575160	16X3X1	25.50	526	1005	500/1000
76575200	20X3X1	28.50	658	1270	500/1000
76575240	24X3X1	32.00	788	1466	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76513020	2X3X1.30	12.70	86	205	500/1000
76513040	4X3X1.30	15.10	168	343	500/1000
76513060	6x3X1.30	18.30	249	518	500/1000
76513080	8X3X1.30	20.10	331	644	500/1000
76513100	10X3X1.30	24.00	414	811	500/1000
76513120	12X3X1.30	25.00	495	944	500/1000
76513160	16X3X1.30	28.00	658	1254	500/1000
76513200	20X3X1.30	31.20	823	1543	500/1000
76513240	24X3X1.30	35.00	986	1844	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76515020	2X3X1.50	13.00	98	224	500/1000
76515040	4X3X1.50	15.50	191	376	500/1000
76515060	6x3X1.50	19.00	284	568	500/1000
76515080	8X3X1.50	20.80	377	710	500/1000
76515100	10X3X1.50	24.80	471	898	500/1000
76515120	12X3X1.50	25.70	564	1052	500/1000
76515160	16X3X1.50	28.80	750	1384	500/1000
76515200	20X3X1.50	32.20	937	1700	500/1000
76515240	24X3X1.50	36.40	1123	2050	500/1000

RE-2Y(St)YSWAY-fl (MULTICORE)
CU/PE/OSCR/PVC/SWA/PVC

PE INSULATED,OVERALL SCREEN,STEEL WIRE ARMOUR, MULTICORE INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE;AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

- GOOD EMC*CHARACTERISTICS
- SMALL BENDING RADIUS
- FLAME RETARDANT AND AYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME PROPAGATION	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2Y(St)YSWAY-fl (MULTICORE)
CU/PE/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74850020	2x0.50	14	5.80	10.40	203	500/1000
74850030	3X0.50	18	6.00	10.60	215	500/1000
74850040	4X0.50	23	6.50	11.10	230	500/1000
74850050	5X0.50	28	7.10	11.90	260	500/1000
74850060	6X0.50	32	7.60	12.40	285	500/1000
74850070	7X0.50	37	7.60	12.40	390	500/1000
74850100	10X0.50	51	9.40	14.20	360	500/1000
74850120	12X0.50	92	9.60	14.40	385	500/1000
74850190	19X0.50	115	11.20	16.20	485	500/1000
74850240	24X0.50	144	13.00	18.00	575	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74875020	2X0.75	19	6.20	10.80	215	500/1000
74875030	3X0.75	26	6.40	11.00	230	500/1000
74875040	4X0.75	33	6.80	11.40	248	500/1000
74875050	5X0.75	40	7.50	12.30	290	500/1000
74875060	6X0.75	47	8.10	12.90	315	500/1000
74875070	7X0.75	54	8.10	12.90	320	500/1000
74875100	10X0.75	75	10.10	14.90	405	500/1000
74875120	12X0.75	89	10.40	15.20	435	500/1000
74875190	19X0.75	138	12.10	17.10	560	500/1000
74875240	24X0.75	173	14.00	19.00	665	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74801020	2x1	23	6.60	11.40	235	500/1000
74801030	3X1	32	6.90	11.50	253	500/1000
74801040	4X1	41	7.40	12.20	280	500/1000
74801050	5X1	50	7.60	12.40	300	500/1000
74801060	6X1	60	8.70	13.50	348	500/1000
74801070	7X1	69	8.70	13.50	355	500/1000
74801100	10X1	97	10.90	15.90	460	500/1000
74801120	12X1	115	11.30	16.30	500	500/1000
74801190	19X1	180	13.20	18.20	640	500/1000
74801240	24X1	225	15.30	21.20	890	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74815020	2X1.50	33	7.20	12.00	268	500/1000
74815030	3X1.50	47	7.60	12.40	293	500/1000
74815040	4X1.50	61	8.20	13.00	326	500/1000
74815050	5X1.50	76	9.00	13.80	370	500/1000
74815060	6X1.50	90	9.70	14.50	415	500/1000
74815070	7X1.50	104	9.70	14.50	422	500/1000
74815100	10X1.50	147	12.20	17.20	555	500/1000
74815120	12X1.50	175	12.60	17.60	600	500/1000
74815190	19X1.50	274	14.70	19.90	795	500/1000
74815240	24X1.50	345	17.20	23.30	1090	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74825020	2X2.50	49	8.50	13.30	320	500/1000
74825030	3X2.50	71	8.80	13.60	365	500/1000
74825040	4X2.50	93	9.60	14.40	408	500/1000
74825050	5X2.50	115	10.60	15.60	475	500/1000
74825060	6X2.50	137	11.50	16.50	530	500/1000
74825070	7X2.50	159	11.50	16.50	550	500/1000
74825100	10X2.50	225	14.60	19.80	740	500/1000
74825120	12X2.50	267	15	20.20	800	500/1000
74825190	19X2.50	423	17.70	23.80	1280	500/1000
74825240	24X2.50	533	20.70	27.00	1485	500/1000

RE-2Y(St)YSWAY-fl (MULTIPAIR) CU/PE/OSCR/PVC/SWA/PVC

POLYETHYLENE INSULATED,OVERALL SCREEN, STEEL WIRE ARMOUR, MULTIPAIR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMINICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.50 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2Y(St)YSWAY-fl (MULTIPAIR)
CU/PE/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74950010	1X2x0.50	14	5.80	10.60	200	500/1000
74950020	2X2X0.50	23	8.00	12.80	280	500/1000
74950040	4X2X0.50	42	9.20	14.00	345	500/1000
74950060	6X2X0.50	60	11.00	16.00	445	500/1000
74950080	8X2X0.50	78	12.10	17.20	490	500/1000
74950100	10X2X0.50	97	13.60	18.60	560	500/1000
74950120	12X2X0.50	115	13.90	18.90	590	500/1000
74950160	16X2X0.50	152	15.80	21.70	840	500/1000
74950200	20X2X0.50	189	17.70	23.80	965	500/1000
74950240	24X2X0.50	225	19.10	25.20	1130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74975010	1X2X0.75	19	6.20	10.80	219	500/1000
74975020	2X2X0.75	33	8.60	13.40	315	500/1000
74975040	4X2X0.75	60	10.00	14.80	390	500/1000
74975060	6X2X0.75	88	12.00	17.00	500	500/1000
74975080	8X2X0.75	117	13.20	18.20	570	500/1000
74975100	10X2X0.75	144	14.90	20.10	668	500/1000
74975120	12X2X0.75	173	15.20	21.10	821	500/1000
74975160	16X2X0.75	229	17.30	23.40	980	500/1000
74975200	20X2X0.75	285	19.40	25.50	1120	500/1000
74975240	24X2X0.75	340	21.00	27.30	1280	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74901010	1X2x1	23	6.60	11.40	236	500/1000
74901020	2X2X1	41	9.20	14.00	345	500/1000
74901040	4X2X1	77	10.80	15.50	438	500/1000
74901060	6x2X1	113	13.00	18.00	570	500/1000
74901080	8X2X1	149	14.30	19.50	648	500/1000
74901100	10X2X1	185	16.20	22.10	870	500/1000
74901120	12X2X1	221	16.50	22.40	930	500/1000
74901160	16X2X1	293	19.10	25.20	1150	500/1000
74901200	20X2X1	365	21.10	27.40	1330	500/1000
74901240	24X2X1	437	22.90	29.20	1500	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74913010	1X2X1.30	29	7.00	11.80	255	500/1000
74913020	2X2X1.30	53	9.90	14.70	375	500/1000
74913040	4X2X1.30	101	11.60	16.60	490	500/1000
74913060	6x2X1.30	149	14.00	19.00	640	500/1000
74913080	8X2X1.30	197	15.40	21.30	845	500/1000
74913100	10X2X1.30	245	17.40	23.50	1000	500/1000
74913120	12X2X1.30	293	17.80	23.90	1120	500/1000
74913160	16X2X1.30	389	20.30	26.40	1300	500/1000
74913200	20X2X1.30	485	22.90	29.20	1525	500/1000
74913240	24X2X1.30	581	24.80	31.30	1660	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
74915010	1X2X1.50	33	7.20	12.00	268	500/1000
74915020	2X2X1.50	61	10.20	15.00	396	500/1000
74915040	4X2X1.50	117	12.00	17.0	520	500/1000
74915060	6x2X1.50	173	15.00	20.10	710	500/1000
74915080	8X2X1.50	229	16.20	22.10	910	500/1000
74915100	10X2X1.50	285	18.30	24.40	1060	500/1000
74915120	12X2X1.50	341	19.10	25.20	1170	500/1000
74915160	16X2X1.50	453	21.10	27.40	1400	500/1000
74915200	20X2X1.50	565	24.50	31.00	1685	500/1000
74915240	24X2X1.50	677	27.60	35.00	2185	500/1000

RE-2Y(St)YSWAY-fl PIMF
CU/PE/PSCR/OSCR/PVC/SWA/PVC

**POLYETHYLENE INSULATED,INDIVIDUAL AND OVERALL SCREEN,
STEEL WIRE ARMOUR INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/1)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SUITABLE FOR BURRY TO UNDERGROUND

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.50 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2Y(St)YSWAY-fl PIMF
CU/PE/PSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAİR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75050020	2X2X0.50	32	9.10	14.00	338	500/1000
75050040	4X2X0.50	60	10.60	15.50	426	500/1000
75050060	6X2X0.50	88	12.60	17.50	545	500/1000
75050080	8X2X0.50	115	13.70	18.80	600	500/1000
75050100	10X2X0.50	143	16.00	22.00	838	500/1000
75050120	12X2X0.50	170	16.60	22.50	895	500/1000
75050160	16X2X0.50	225	18.50	24.50	1070	500/1000
75050200	20X2X0.50	280	20.60	27.00	1250	500/1000
75050240	24X2X0.50	336	23.00	30.00	1435	500/1000

CODE NR	NUMBER OF PAİR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75075020	2X2X0.75	42	9.80	14.50	367	500/1000
75075040	4X2X0.75	79	11.40	16.50	470	500/1000
75075060	6X2X0.75	116	13.80	18.80	605	500/1000
75075080	8X2X0.75	154	14.80	20.00	785	500/1000
75075100	10X2X0.75	191	17.50	24.00	960	500/1000
75075120	12X2X0.75	228	18.00	24.50	1028	500/1000
75075160	16X2X0.75	302	20.40	26.50	1220	500/1000
75075200	20X2X0.75	377	22.50	29.00	1425	500/1000
75075240	24X2X0.75	451	25.00	32.00	1650	500/1000

CODE NR	NUMBER OF PAİR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75001020	2X2X1	51	10.50	15.50	408	500/1000
75001040	4X2X1	98	12.30	17.50	522	500/1000
75001060	6x2X1	145	14.80	20.00	680	500/1000
75001080	8X2X1	192	16.00	21.50	875	500/1000
75001100	10X2X1	239	19.00	25.00	1060	500/1000
75001120	12X2X1	285	19.60	26.00	1155	500/1000
75001160	16X2X1	379	21.80	28.00	1390	500/1000
75001200	20X2X1	473	24.50	31.00	1640	500/1000
75001240	24X2X1	566	27.50	35.00	2090	500/1000

CODE NR	NUMBER OF PAİR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75013020	2X2X1.30	63	11.30	16.50	450	500/1000
75013040	4X2X1.30	120	13.00	18.00	570	500/1000
75013060	6x2X1.30	179	16.00	21.00	860	500/1000
75013080	8X2X1.30	237	17.40	23.50	990	500/1000
75013100	10X2X1.30	295	20.50	26.50	1185	500/1000
75013120	12X2X1.30	353	21.00	27.50	1290	500/1000
75013160	16X2X1.30	467	23.50	30.00	1565	500/1000
75013200	20X2X1.30	585	26.50	3400	2010	500/1000
75013240	24X2X1.30	700	30.00	37.50	2370	500/1000

CODE NR	NUMBER OF PAİR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75015020	2X2X1.50	70	11.50	16.80	465	500/1000
75015040	4X2X1.50	135	14.00	19.00	605	500/1000
75015060	6x2X1.50	200	16.50	22.50	910	500/1000
75015080	8X2X1.50	265	18.00	24.00	1040	500/1000
75015100	10X2X1.50	331	21.00	27.50	1275	500/1000
75015120	12X2X1.50	396	22.00	28.00	1440	500/1000
75015160	16X2X1.50	526	24.50	31.00	1680	500/1000
75015200	20X2X1.50	657	27.50	35.00	2195	500/1000
750Z15240	24X2X1.50	787	31.00	39.00	2570	500/1000

RE-2Y(St)YSWAY-fl TIMF
CU/PE/TSCR/OSCR/PVC/SWA/PVC

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPAUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SUITABLE FOR BURRY TO UNDERGROUND

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.50 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2Y(St)YSWAY-fl TIMF
CU/PE/TSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75150020	2X3X0.50	42	10.40	15.00	380	500/1000
75150040	4X3X0.50	79	12.00	16.80	485	500/1000
75150060	6X3X0.50	116	14.30	19.10	620	500/1000
75150080	8X3X0.50	152	15.50	21.20	815	500/1000
75150100	10X3X0.50	189	18.30	24.20	990	500/1000
75150120	12X3X0.50	225	18.90	24.80	1065	500/1000
75150160	16X3X0.50	299	21.00	27.40	1290	500/1000
75150200	20X3X0.50	373	23.40	29.50	1485	500/1000
75150240	24X3X0.50	447	26.20	33.00	1890	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75175020	2X3X0.75	55	11.10	15.90	425	500/1000
75175040	4X3X0.75	106	12.90	17.70	545	500/1000
75175060	6X3X0.75	157	15.50	21.20	830	500/1000
75175080	8X3X0.75	207	16.80	22.50	940	500/1000
75175100	10X3X0.75	258	19.80	25.70	1160	500/1000
75175120	12X3X0.75	308	20.50	26.40	1260	500/1000
75175160	16X3X0.75	410	22.80	28.90	1500	500/1000
75175200	20X3X0.75	511	25.40	31.70	1760	500/1000
75175240	24X3X0.75	611	28.80	36.00	2300	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75101020	2X3X1	70	11.90	16.70	465	500/1000
75101040	4X3X1	135	13.70	18.70	610	500/1000
75101060	6x3X1	200	16.60	22.30	925	500/1000
75101080	8X3X1	266	18.00	23.90	1060	500/1000
75101100	10X3X1	331	20.70	27.40	1300	500/1000
75101120	12X3X1	396	22.00	28.10	1400	500/1000
75101160	16X3X1	526	24.80	31.10	1710	500/1000
75101200	20X3X1	658	27.40	34.40	2200	500/1000
75101240	24X3X1	788	31.10	38.50	2610	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75113020	2X3X1.30	86	12.80	17.60	515	500/1000
75113040	4X3X1.30	168	15.00	20.00	700	500/1000
75113060	6x3X1.30	249	18.00	23.90	1055	500/1000
75113080	8X3X1.30	331	19.60	25.50	1200	500/1000
75113100	10X3X1.30	414	23.20	29.30	1500	500/1000
75113120	12X3X1.30	495	24.00	30.10	1610	500/1000
75113160	16X3X1.30	658	26.80	33.80	2180	500/1000
75113200	20X3X1.30	823	30.30	37.50	2600	500/1000
75113240	24X3X1.30	986	33.90	41.30	3030	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75115020	2X3X1.50	98	13.20	18.00	545	500/1000
75115040	4X3X1.50	191	15.40	20.40	735	500/1000
75115060	6x3X1.50	284	18.60	24.50	1115	500/1000
75115080	8X3X1.50	377	20.20	26.10	1280	500/1000
75115100	10X3X1.50	471	23.90	30.00	1570	500/1000
75115120	12X3X1.50	564	24.80	31.10	1750	500/1000
75115160	16X3X1.50	750	28.10	35.30	2370	500/1000
75115200	20X3X1.50	937	31.30	38.70	2740	500/1000
75115240	24X3X1.50	1123	35.00	42.60	3220	500/1000

RE-2Y(St)H (MULTICORE) CU/PE/OSCR/LSZH

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTICORE, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.41 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω

6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)H (MULTICORE)
CU/PE/OSCR/LSZH

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76650020	2x0.50	5.60	14	44	500/1000
76650030	3X0.50	5.80	18	49	500/1000
76650040	4X0.50	6.30	23	57	500/1000
76650050	5X0.50	6.90	28	67	500/1000
76650060	6X0.50	7.40	32	76	500/1000
76650070	7X0.50	7.40	37	82	500/1000
76650100	10X0.50	9.40	51	112	500/1000
76650120	12X0.50	9.60	92	132	500/1000
76650190	19X0.50	11.50	115	197	500/1000
76650240	24X0.50	13.20	144	243	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76675020	2X0.75	6.00	19	49	500/1000
76675030	3X0.75	6.20	26	58	500/1000
76675040	4X0.75	6.60	33	71	500/1000
76675050	5X0.75	7.30	40	85	500/1000
76675060	6X0.75	7.90	47	100	500/1000
76675070	7X0.75	7.90	54	107	500/1000
76675100	10X0.75	10.10	75	150	500/1000
76675120	12X0.75	10.40	89	170	500/1000
76675190	19X0.75	12.30	138	255	500/1000
76675240	24X0.75	14.40	173	320	500/1000

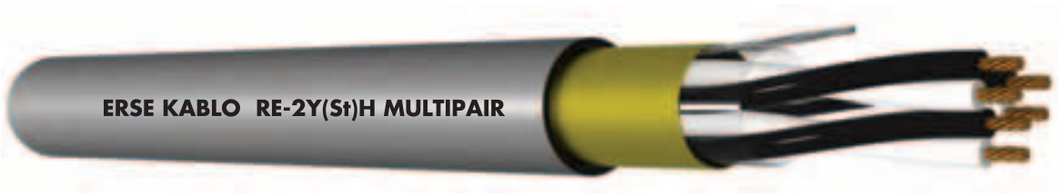
CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76601020	2x1	6.40	23	57	500/1000
76601030	3X1	6.70	32	69	500/1000
76601040	4X1	7.20	41	87	500/1000
76601050	5X1	7.40	50	96	500/1000
76601060	6X1	8.70	60	119	500/1000
76601070	7X1	8.70	69	128	500/1000
76601100	10X1	11.10	97	192	500/1000
76601120	12X1	11.50	115	216	500/1000
76601190	19X1	13.40	180	315	500/1000
76601240	24X1	15.70	225	398	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76615020	2X1.50	7.00	33	69	500/1000
76615030	3X1.50	7.40	47	89	500/1000
76615040	4X1.50	8.00	61	109	500/1000
76615050	5X1.50	9.00	76	134	500/1000
76615060	6X1.50	9.70	90	160	500/1000
76615070	7X1.50	9.70	104	174	500/1000
76615100	10X1.50	12.40	147	245	500/1000
76615120	12X1.50	12.80	175	285	500/1000
76615190	19X1.50	15.10	274	435	500/1000
76615240	24X1.50	17.80	345	544	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76625020	2X2.50	8.50	49	98	500/1000
76625030	3X2.50	8.80	71	127	500/1000
76625040	4X2.50	9.60	93	159	500/1000
76625050	5X2.50	10.60	115	195	500/1000
76625060	6X2.50	11.70	137	236	500/1000
76625070	7X2.50	11.70	159	260	500/1000
76625100	10X2.50	15.00	225	364	500/1000
76625120	12X2.50	15.40	267	428	500/1000
76625190	19X2.50	18.30	423	650	500/1000
76625240	24X2.50	21.50	533	810	500/1000

RE-2Y(St)H (MULTIPAIR) CU/PE/OSCR/LSZH

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTIPAIR, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)



RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES,AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.3 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)H (MULTIPAIR)
CU/PE/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76750010	1X2x0.50	5.60	14	44	500/1000
76750020	2X2X0.50	8.20	23	59	500/1000
76750040	4X2X0.50	9.40	42	98	500/1000
76750060	6X2X0.50	11.00	60	137	500/1000
76750080	8X2X0.50	11.80	78	162	500/1000
76750100	10X2X0.50	13.80	97	206	500/1000
76750120	12X2X0.50	14.20	115	230	500/1000
76750160	16X2X0.50	16.00	152	295	500/1000
76750200	20X2X0.50	18.00	189	360	500/1000
76750240	24X2X0.50	19.50	225	415	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76775010	1X2X0.75	6.00	19	49	500/1000
76775020	2X2X0.75	9.00	33	78	500/1000
76775040	4X2X0.75	10.20	60	117	500/1000
76775060	6X2X0.75	12.20	88	166	500/1000
76775080	8X2X0.75	13.40	117	215	500/1000
76775100	10X2X0.75	15.00	144	253	500/1000
76775120	12X2X0.75	15.80	173	295	500/1000
76775160	16X2X0.75	18.00	229	385	500/1000
76775200	20X2X0.75	20.00	285	465	500/1000
76775240	24X2X0.75	21.50	340	550	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76701010	1X2x1	6.40	23	57	500/1000
76701020	2X2X1	9.60	41	98	500/1000
76701040	4X2X1	11.00	77	136	500/1000
76701060	6x2X1	13.50	113	215	500/1000
76701080	8X2X1	14.40	149	250	500/1000
76701100	10X2X1	16.20	185	305	500/1000
76701120	12X2X1	16.80	221	355	500/1000
76701160	16X2X1	19.50	293	480	500/1000
76701200	20X2X1	21.50	365	580	500/1000
76701240	24X2X1	23.50	437	700	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76713010	1X2X1.30	6.80	29	88	500/1000
76713020	2X2X1.30	10.0	53	112	500/1000
76713040	4X2X1.30	11.60	101	165	500/1000
76713060	6x2X1.30	14.30	149	245	500/1000
76713080	8X2X1.30	15.20	197	310	500/1000
76713100	10X2X1.30	17.20	245	395	500/1000
76713120	12X2X1.30	18.40	293	460	500/1000
76713160	16X2X1.30	20.80	389	575	500/1000
76713200	20X2X1.30	23.30	485	750	500/1000
76713240	24X2X1.30	25.40	581	850	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76715010	1X2X1.50	7.00	33	97	500/1000
76715020	2X2X1.50	11.20	61	130	500/1000
76715040	4X2X1.50	13.30	117	210	500/1000
76715060	6x2X1.50	16.00	173	295	500/1000
76715080	8X2X1.50	17.00	229	360	500/1000
76715100	10X2X1.50	20.00	285	460	500/1000
76715120	12X2X1.50	21.00	341	535	500/1000
76715160	16X2X1.50	24.00	453	710	500/1000
76715200	20X2X1.50	26.50	565	850	500/1000
76715240	24X2X1.50	29.00	677	1080	500/1000

RE-2Y(St)H-PIMF
CU/PE/PSCR/OSCR/LSZH

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, LZSH SHEATHED INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)H-PIMF
CU/PE/PSCR/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76850020	2X2X0.50	9.10	32	88	500/1000
76850040	4X2X0.50	10.60	60	127	500/1000
76850060	6X2X0.50	13.00	88	180	500/1000
76850080	8X2X0.50	14.10	115	212	500/1000
76850100	10X2X0.50	16.50	143	260	500/1000
76850120	12X2X0.50	17.20	170	288	500/1000
76850160	16X2X0.50	19.30	225	385	500/1000
76850200	20X2X0.50	21.40	280	460	500/1000
76850240	24X2X0.50	24.00	336	545	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76875020	2X2X0.75	9.80	42	107	500/1000
76875040	4X2X0.75	11.60	79	140	500/1000
76875060	6X2X0.75	14.10	116	224	500/1000
76875080	8X2X0.75	15.20	154	260	500/1000
76875100	10X2X0.75	18.10	191	318	500/1000
76875120	12X2X0.75	18.70	228	382	500/1000
76875160	16X2X0.75	21.10	302	480	500/1000
76875200	20X2X0.75	23.50	377	578	500/1000
76875240	24X2X0.75	26.30	451	700	500/1000

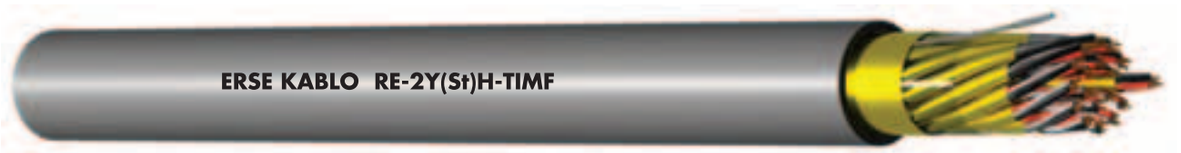
CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76801020	2X2X1	10.50	51	121	500/1000
76801040	4X2X1	12.50	98	180	500/1000
76801060	6x2X1	15.20	145	262	500/1000
76801080	8X2X1	16.70	192	315	500/1000
76801100	10X2X1	19.70	239	400	500/1000
76801120	12X2X1	20.40	285	445	500/1000
76801160	16X2X1	22.80	379	575	500/1000
76801200	20X2X1	25.60	473	720	500/1000
76801240	24X2X1	28.70	566	820	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76813020	2X2X1.30	11.50	63	140	500/1000
76813040	4X2X1.30	13.30	120	210	500/1000
76813060	6x2X1.30	16.40	179	300	500/1000
76813080	8X2X1.30	17.80	237	370	500/1000
76813100	10X2X1.30	21.10	295	465	500/1000
76813120	12X2X1.30	22.00	353	510	500/1000
76813160	16X2X1.30	24.70	467	705	500/1000
76813200	20X2X1.30	27.60	585	910	500/1000
76813240	24X2X1.30	31.00	700	1010	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76815020	2X2X1.50	11.80	70	160	500/1000
76815040	4X2X1.50	14.10	135	245	500/1000
76815060	6x2X1.50	16.90	200	320	500/1000
76815080	8X2X1.50	18.40	265	410	500/1000
76815100	10X2X1.50	22.00	331	505	500/1000
76815120	12X2X1.50	22.80	396	595	500/1000
76815160	16X2X1.50	25.60	526	790	500/1000
76815200	20X2X1.50	28.70	657	1000	500/1000
76815240	24X2X1.50	32.10	787	1160	500/1000

RE-2Y(St)H-TIMF
CU/PE/TSCR/OSCR/LSZH

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, LSZH SHEATHED INSTRUMENTATION CABLES (EN 50228/7-BS 5308/1)



RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)H-TIMF
CU/PE/TSCR/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76950020	2X3x0.50	10.10	42	122	500/1000
76950040	4X3X0.50	12.00	79	200	500/1000
76950060	6X3X0.50	14.50	116	280	500/1000
76950080	8X3X0.50	15.50	152	350	500/1000
76950100	10X3X0.50	18.50	189	445	500/1000
76950120	12X3X0.50	19.20	225	510	500/1000
76950160	16X3X0.50	21.50	299	660	500/1000
76950200	20X3X0.50	24.00	373	823	500/1000
76950z240	24X3X0.50	27.50	447	995	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76975020	2X3X0.75	10.80	55	140	500/1000
76975040	4X3X0.75	12.80	106	228	500/1000
76975060	6X3X0.75	15.60	157	346	500/1000
76975080	8X3X0.75	17.10	207	422	500/1000
76975100	10X3X0.75	20.30	258	540	500/1000
76975120	12X3X0.75	21.00	308	631	500/1000
76975160	16X3X0.75	23.50	410	830	500/1000
76975200	20X3X0.75	26.30	511	1015	500/1000
76975240	24X2X0.75	29.50	611	1200	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76901020	2X3X1	11.80	70	170	500/1000
76901040	4X3X1	13.80	135	240	500/1000
76901060	6x3X1	17.00	200	425	500/1000
76901080	8X3X1	18.30	266	520	500/1000
76901100	10X3X1	22.00	331	670	500/1000
76901120	12X3X1	22.80	396	775	500/1000
76901160	16X3X1	25.50	526	1070	500/1000
76901200	20X3X1	28.50	658	1230	500/1000
76901240	24X3X1	32.00	788	1400	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76913020	2X3X1.30	12.70	86	200	500/1000
76913040	4X3X1.30	15.10	168	333	500/1000
76913060	6x3X1.30	18.30	249	500	500/1000
76913080	8X3X1.30	20.10	331	620	500/1000
76913100	10X3X1.30	24.00	414	790	500/1000
76913120	12X3X1.30	25.00	495	910	500/1000
76913160	16X3X1.30	28.00	658	1220	500/1000
76913200	20X3X1.30	31.20	823	1515	500/1000
76913240	24X3X1.30	35.00	986	1810	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76915020	2X3X1.50	13.00	98	220	500/1000
76915040	4X3X1.50	15.50	191	370	500/1000
76915060	6x3X1.50	19.00	284	560	500/1000
76915080	8X3X1.50	20.80	377	700	500/1000
76915100	10X3X1.50	24.80	471	870	500/1000
76915120	12X3X1.50	25.70	564	1020	500/1000
76915160	16X3X1.50	28.80	750	1350	500/1000
76915200	20X3X1.50	32.20	937	1650	500/1000
76915240	24X3X1.50	36.40	1123	2000	500/1000

RE-2Y(St)HSWAH (MULTICORE)
CU/PE/OSCR/LSZH/SWA/LSZH

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTICORE, STEEL WIRE ARMOUR, LSZH SHEATH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)HSWAH (MULTICORE)
CU/PE/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77250020	2x0.50	14	5.80	10.40	203	500/1000
77250030	3X0.50	18	6.00	10.60	215	500/1000
77250040	4X0.50	23	6.50	11.10	230	500/1000
77250050	5X0.50	28	7.10	11.90	260	500/1000
77250060	6X0.50	32	7.60	12.40	285	500/1000
77250070	7X0.50	37	7.60	12.40	390	500/1000
77250100	10X0.50	51	9.40	14.20	360	500/1000
77250120	12X0.50	92	9.60	14.40	385	500/1000
77250190	19X0.50	115	11.20	16.20	485	500/1000
77250240	24X0.50	144	13.00	18.00	575	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77275020	2X0.75	19	6.20	10.80	215	500/1000
77275030	3X0.75	26	6.40	11.00	230	500/1000
77275040	4X0.75	33	6.80	11.40	248	500/1000
77275050	5X0.75	40	7.50	12.30	290	500/1000
77275060	6X0.75	47	8.10	12.90	315	500/1000
77275070	7X0.75	54	8.10	12.90	320	500/1000
77275100	10X0.75	75	10.10	14.90	405	500/1000
77275120	12X0.75	89	10.40	15.20	435	500/1000
77275190	19X0.75	138	12.10	17.10	560	500/1000
77275240	24X0.75	173	14.00	19.00	665	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77201020	2x1	23	6.60	11.40	235	500/1000
77201030	3X1	32	6.90	11.50	253	500/1000
77201040	4X1	41	7.40	12.20	280	500/1000
77201050	5X1	50	7.60	12.40	300	500/1000
77201060	6X1	60	8.70	13.50	348	500/1000
77201070	7X1	69	8.70	13.50	355	500/1000
77201100	10X1	97	10.90	15.90	460	500/1000
77201120	12X1	115	11.30	16.30	500	500/1000
77201190	19X1	180	13.20	18.20	640	500/1000
77201240	24X1	225	15.30	21.20	890	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77215020	2X1.50	33	7.20	12.00	268	500/1000
77215030	3X1.50	47	7.60	12.40	293	500/1000
77215040	4X1.50	61	8.20	13.00	326	500/1000
77215050	5X1.50	76	9.00	13.80	370	500/1000
77215060	6X1.50	90	9.70	14.50	415	500/1000
77215070	7X1.50	104	9.70	14.50	422	500/1000
77215100	10X1.50	147	12.20	17.20	555	500/1000
77215120	12X1.50	175	12.60	17.60	600	500/1000
77215190	19X1.50	274	14.70	19.90	795	500/1000
77215240	24X1.50	345	17.20	23.30	1090	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77225020	2X2.50	49	8.50	13.30	320	500/1000
77225030	3X2.50	71	8.80	13.60	365	500/1000
77225040	4X2.50	93	9.60	14.40	408	500/1000
77225050	5X2.50	115	10.60	15.60	475	500/1000
77225060	6X2.50	137	11.50	16.50	530	500/1000
77225070	7X2.50	159	11.50	16.50	550	500/1000
77225100	10X2.50	225	14.60	19.80	740	500/1000
77225120	12X2.50	267	15.00	20.20	800	500/1000
77225190	19X2.50	423	17.70	23.80	1280	500/1000
77225240	24X2.50	533	20.70	27.00	1485	500/1000

RE-2Y(St)HSWAH (MULTIPAIR) CU/PE/OSCR/LSZH/SWA/LZSH

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE ARMOUR, LSZH SHEATH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 N 50267-2-1/BS EN 50267-2-1

RE-2Y(St)HSWAH (MULTIPAIR)
CU/PE/OSCR/LSZH/SWA/LZSH

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77350010	1X2x0.50	14	5.80	10.60	200	500/1000
77350020	2X2X0.50	23	8.00	12.80	280	500/1000
77350040	4X2X0.50	42	9.20	14.00	345	500/1000
77350060	6X2X0.50	60	11.00	16.00	445	500/1000
77350080	8X2X0.50	78	12.10	17.20	490	500/1000
77350100	10X2X0.50	97	13.60	18.60	560	500/1000
77350120	12X2X0.50	115	13.90	18.90	590	500/1000
77350160	16X2X0.50	152	15.80	21.70	840	500/1000
77350200	20X2X0.50	189	17.70	23.80	965	500/1000
77350240	24X2X0.50	225	19.10	25.20	1130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77375010	1X2X0.75	19	6.20	10.80	215	500/1000
77375020	2X2X0.75	33	8.60	13.40	230	500/1000
77375040	4X2X0.75	60	10.00	14.80	248	500/1000
77375060	6X2X0.75	88	12.00	17.00	290	500/1000
77375080	8X2X0.75	117	13.20	18.20	315	500/1000
77375100	10X2X0.75	144	14.90	20.10	320	500/1000
77375120	12X2X0.75	173	15.20	21.10	405	500/1000
77375160	16X2X0.75	229	17.30	23.40	435	500/1000
77375200	20X2X0.75	285	19.40	25.50	560	500/1000
77375240	24X2X0.75	340	21.00	27.30	665	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77301010	1X2x1	23	6.60	11.40	236	500/1000
77301020	2X2X1	41	9.20	14.00	345	500/1000
77301040	4X2X1	77	10.80	15.50	438	500/1000
77301060	6x2X1	113	13.00	18.00	570	500/1000
77301080	8X2X1	149	14.30	19.50	648	500/1000
77301100	10X2X1	185	16.20	22.10	870	500/1000
77301120	12X2X1	221	16.50	22.40	930	500/1000
77301160	16X2X1	293	19.10	25.20	1150	500/1000
77301200	20X2X1	365	21.10	27.40	1330	500/1000
77301240	24X2X1	437	22.90	29.20	1500	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77313010	1X2X1.30	29	7.00	11.80	255	500/1000
77313020	2X2X1.30	53	9.90	14.70	375	500/1000
77313040	4X2X1.30	101	11.60	16.60	490	500/1000
77313060	6x2X1.30	149	14.00	19.00	640	500/1000
77313080	8X2X1.30	197	15.40	21.30	845	500/1000
77313100	10X2X1.30	245	17.40	23.50	1000	500/1000
77313120	12X2X1.30	293	17.80	23.90	1120	500/1000
77313160	16X2X1.30	389	20.30	26.40	1300	500/1000
77313200	20X2X1.30	485	22.90	29.20	1525	500/1000
77313240	24X2X1.30	581	24.80	31.30	1660	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77315010	1X2X1.50	33	7.20	12.00	268	500/1000
77315020	2X2X1.50	61	10.20	15.00	396	500/1000
77315040	4X2X1.50	117	12.00	17.00	520	500/1000
77315060	6x2X1.50	173	15.00	20.10	710	500/1000
77315080	8X2X1.50	229	16.20	22.10	910	500/1000
77315100	10X2X1.50	285	18.30	24.40	1060	500/1000
77315120	12X2X1.50	341	19.10	25.20	1170	500/1000
77315160	16X2X1.50	453	21.10	27.40	1400	500/1000
77315200	20X2X1.50	565	24.50	31.00	1685	500/1000
77315240	24X2X1.50	677	27.60	35.00	2185	500/1000

RE-2Y(St)HSWAH-PIMF
CU/PE/PSCR/OSCR/LSZH/SWA/LSZH

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, LSZH SHEATHED INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE;RAL 9005* BLACK; RAL 7001 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.50 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)HSWAH-PIMF
CU/PE/PSCR/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77450020	2X2X0.50	32	9.10	14.00	338	500/1000
77450040	4X2X0.50	60	10.60	15.50	426	500/1000
77400060	6X2X0.50	88	12.60	17.50	545	500/1000
77450080	8X2X0.50	115	13.70	18.80	600	500/1000
77450100	10X2X0.50	143	16.00	22.00	838	500/1000
77450120	12X2X0.50	170	16.60	22.50	895	500/1000
77450160	16X2X0.50	225	18.50	24.50	1070	500/1000
77450200	20X2X0.50	280	20.60	27.00	1250	500/1000
77450240	24X2X0.50	336	23.00	30.00	1435	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77475020	2X2X0.75	42	9.80	14.50	367	500/1000
77475040	4X2X0.75	79	11.40	16.50	470	500/1000
77475060	6X2X0.75	116	13.80	18.80	605	500/1000
77475080	8X2X0.75	154	14.80	20.00	785	500/1000
77475100	10X2X0.75	191	17.50	24.00	960	500/1000
77475120	12X2X0.75	228	18.00	24.50	1028	500/1000
77475160	16X2X0.75	302	20.40	26.50	1220	500/1000
77475200	20X2X0.75	377	22.50	29.00	1425	500/1000
77475240	24X2X0.75	451	25.00	32.00	1650	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77401020	2X2X1	51	10.50	15.50	408	500/1000
77401040	4X2X1	98	12.30	17.50	522	500/1000
77401060	6x2X1	145	14.80	20.00	680	500/1000
77401080	8X2X1	192	16.00	21.50	875	500/1000
77401100	10X2X1	239	19.00	25.00	1060	500/1000
77401120	12X2X1	285	19.60	26.00	1155	500/1000
77401160	16X2X1	379	21.80	28.00	1390	500/1000
77401200	20X2X1	473	24.50	31.00	1640	500/1000
77401240	24X2X1	566	27.50	35.00	2090	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77413020	2X2X1.30	63	11.30	16.50	450	500/1000
77413040	4X2X1.30	120	13.00	18.00	570	500/1000
77413060	6x2X1.30	179	16.00	21.00	860	500/1000
77413080	8X2X1.30	237	17.40	23.50	990	500/1000
77413100	10X2X1.30	295	20.50	26.50	1185	500/1000
77413120	12X2X1.30	353	21.00	27.50	1290	500/1000
77413160	16X2X1.30	467	23.50	30.00	1565	500/1000
77413200	20X2X1.30	585	26.50	34.00	2010	500/1000
77413240	24X2X1.30	700	30.00	37.50	2370	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77415020	2X2X1.50	70	11.50	16.80	465	500/1000
77415040	4X2X1.50	135	14.00	19.00	605	500/1000
77415060	6x2X1.50	200	16.50	22.50	910	500/1000
77415080	8X2X1.50	265	18.00	24.00	1040	500/1000
77415100	10X2X1.50	331	21.00	27.50	1275	500/1000
77415120	12X2X1.50	396	22.00	28.00	1440	500/1000
77415160	16X2X1.50	526	24.50	31.00	1680	500/1000
77415200	20X2X1.50	657	27.50	35.00	2195	500/1000
77415240	24X2X1.50	787	31.00	39.00	2570	500/1000

RE-2Y(St)HSWAH-TIMF
CU/PE/TSCR/OSCR/LSZH/SWA/LSZH

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, LSZH SHEATHED INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295; EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED
4- INDIVIDUAL SCREEN	EACH TRIAD NUMBERED PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GREY*; RAL 9005 BLACK*

- VERY GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.50 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω

6- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4 /BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2Y(St)HSWAH-TIMF
CU/PE/TSCR/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77550020	2X3X0.50	42	10.40	15.00	380	500/1000
77550040	4X3X0.50	79	12.00	16.80	485	500/1000
77550060	6X3X0.50	116	14.30	19.10	620	500/1000
77550080	8X3X0.50	152	15.50	21.20	815	500/1000
77550100	10X3X0.50	189	18.30	24.20	990	500/1000
77550120	12X3X0.50	225	18.90	24.80	1065	500/1000
77550160	16X3X0.50	299	21.00	27.40	1290	500/1000
77550200	20X3X0.50	373	23.40	29.50	1485	500/1000
77550240	24X3X0.50	447	26.20	33.00	1890	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77575020	2X3X0.75	55	11.10	15.90	425	500/1000
77575040	4X3X0.75	106	12.90	17.70	545	500/1000
77575060	6X3X0.75	157	15.50	21.20	830	500/1000
77575080	8X3X0.75	207	16.80	22.50	940	500/1000
77575100	10X3X0.75	258	19.80	25.70	1160	500/1000
77575120	12X3X0.75	308	20.50	26.40	1260	500/1000
77575160	16X3X0.75	410	22.80	28.90	1500	500/1000
77575200	20X3X0.75	511	25.40	31.70	1760	500/1000
77575240	24X3X0.75	611	28.80	36.00	2300	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77501020	2X3X1	70	11.90	16.70	465	500/1000
77501040	4X3X1	135	13.70	18.70	610	500/1000
77501060	6x3X1	200	16.60	22.30	925	500/1000
77501080	8X3X1	266	18.00	23.90	1060	500/1000
77501100	10X3X1	331	20.70	27.40	1300	500/1000
77501120	12X3X1	396	22.00	28.10	1400	500/1000
77501160	16X3X1	526	24.80	31.10	1710	500/1000
77501200	20X3X1	658	27.40	34.40	2200	500/1000
77501240	24X3X1	788	31.10	38.50	2610	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77513020	2X3X1.30	86	12.80	17.60	515	500/1000
77513040	4X3X1.30	168	15.00	20.00	700	500/1000
77513060	6x3X1.30	249	18.00	23.90	1055	500/1000
77513080	8X3X1.30	331	19.60	25.50	1200	500/1000
77513100	10X3X1.30	414	23.20	29.30	1500	500/1000
77513120	12X3X1.30	495	24.00	30.10	1610	500/1000
77513160	16X3X1.30	658	26.80	33.80	2180	500/1000
77513200	20X3X1.30	823	30.30	37.50	2600	500/1000
77513240	24X3X1.30	986	33.90	41.30	3030	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77515020	2X3X1.50	98	13.20	18.00	545	500/1000
77515040	4X3X1.50	191	15.40	20.40	735	500/1000
77515060	6x3X1.50	284	18.60	24.50	1115	500/1000
77515080	8X3X1.50	377	20.20	26.10	1280	500/1000
77515100	10X3X1.50	471	23.90	30.00	1570	500/1000
77515120	12X3X1.50	564	24.80	31.10	1750	500/1000
77515160	16X3X1.50	750	28.10	35.30	2370	500/1000
77515200	20X3X1.50	937	31.30	38.70	2740	500/1000
77515240	24X3X1.50	1123	35.00	42.60	3220	500/1000

RE-2Y(St)YQY-fl (MULTIPAIR)
CU/PE/OSCR/PVC/GSWB/PVC

POLYETHYLENE INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE BRAIDING INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ; DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE,PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED STEEL WIRE BRAIDING
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- FLEXIBLE
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	8X Cable Ø

RE-2Y(St)YQY-fl (MULTIPAIR)
CU/PE/OSCR/PVC/GSWB/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75750010	1X2x0.50	14	5.80	10.00	140	500/1000
75750020	2X2X0.50	23	8.00	12.20	184	500/1000
75750040	4X2X0.50	42	9.20	13.40	237	500/1000
75750060	6X2X0.50	60	11.00	15.40	321	500/1000
75750080	8X2X0.50	78	12.00	16.50	359	500/1000
75750100	10X2X0.50	97	13.60	18.00	417	500/1000
75750120	12X2X0.50	115	14.00	18.30	456	500/1000
75750160	16X2X0.50	152	15.80	20.40	568	500/1000
75750200	20X2X0.50	189	17.80	22.50	663	500/1000
75750240	24X2X0.50	225	19.00	24.00	750	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75775010	1X2X0.75	19	6.20	10.20	160	500/1000
75775020	2X2X0.75	33	8.60	12.80	219	500/1000
75775040	4X2X0.75	60	10.00	14.20	278	500/1000
75775060	6X2X0.75	88	12.00	16.40	373	500/1000
75775080	8X2X0.75	117	13.20	17.60	420	500/1000
75775100	10X2X0.75	144	15.00	19.50	496	500/1000
75775120	12X2X0.75	173	15.20	20.00	564	500/1000
75775160	16X2X0.75	229	17.30	22.20	708	500/1000
75775200	20X2X0.75	285	19.50	24.30	822	500/1000
75775240	24X2X0.75	340	21.00	26.00	956	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75701010	1X2x1	23	6.60	10.80	180	500/1000
75701020	2X2X1	41	9.20	13.40	250	500/1000
75701040	4X2X1	77	10.80	15.20	325	500/1000
75701060	6x2X1	113	13.00	17.40	428	500/1000
75701080	8X2X1	149	14.30	19.00	501	500/1000
75701100	10X2X1	185	16.20	21.00	607	500/1000
75701120	12X2X1	221	16.50	21.30	672	500/1000
75701160	16X2X1	293	19.00	24.00	840	500/1000
75701200	20X2X1	365	21.00	26.20	997	500/1000
75701240	24X2X1	437	23.00	28.00	1139	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75713010	1X2X1.30	29	7.00	11.20	195	500/1000
75713020	2X2X1.30	53	10.00	14.00	272	500/1000
75713040	4X2X1.30	101	11.60	16.00	365	500/1000
75713060	6x2X1.30	149	14.00	18.40	484	500/1000
75713080	8X2X1.30	197	15.50	20.00	587	500/1000
75713100	10X2X1.30	245	17.50	22.30	718	500/1000
75713120	12X2X1.30	293	17.80	22.70	797	500/1000
75713160	16X2X1.30	389	20.30	25.20	989	500/1000
75713200	20X2X1.30	485	23.00	28.00	1180	500/1000
75713240	24X2X1.30	581	25.00	30.00	1369	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
75715010	1X2X1.50	33	7.20	11.50	215	500/1000
75715020	2X2X1.50	61	10.20	14.50	300	500/1000
75715040	4X2X1.50	117	12.00	16.50	385	500/1000
75715060	6x2X1.50	173	15.00	19.50	535	500/1000
75715080	8X2X1.50	229	16.20	21.50	652	500/1000
75715100	10X2X1.50	285	18.30	23.80	784	500/1000
75715120	12X2X1.50	341	19.00	24.60	879	500/1000
75715160	16X2X1.50	453	21.00	26.80	1090	500/1000
75715200	20X2X1.50	565	24.50	30.50	1324	500/1000
75715240	24X2X1.50	677	27.60	34.40	1589	500/1000

RE-2Y(St)YQY-fl PIMF
CU/PE/PSCR/OSCR/PVC/GSWB/PVC

POLYETHYLENE INSULATED, INDIVIDUAL AND OVERALL SCREEN, WITH STEEL WIRE BRAIDING INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-23 PE COMPOUND
3- COLOUR CODE	BS-5308 PART-I OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMINICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED STEEL WIRE BRAIDING
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLEXIBLE
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+70^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-50266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	8X Cable Ø

RE-2Y(St)YQY-fl PIMF
CU/PE/PSCR/OSCR/PVC/GSWB/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76050020	2X2X0.50	32	9.10	13.30	213	500/1000
76050040	4X2X0.50	60	10.60	15.00	296	500/1000
76050060	6X2X0.50	88	12.60	17.00	377	500/1000
76050080	8X2X0.50	115	13.70	18.00	441	500/1000
76050100	10X2X0.50	143	16.10	20.70	570	500/1000
76050120	12X2X0.50	170	16.60	21.20	680	500/1000
76050160	16X2X0.50	225	18.50	23.30	800	500/1000
76050200	20X2X0.50	280	20.60	25.60	913	500/1000
76050240	24X2X0.50	336	23.00	28.20	1064	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76075020	2X2X0.75	42	10.40	13.80	244	500/1000
76075040	4X2X0.75	79	12.50	15.80	346	500/1000
76075060	6X2X0.75	116	13.70	18.00	446	500/1000
76075080	8X2X0.75	154	14.80	19.40	514	500/1000
76075100	10X2X0.75	191	17.50	22.30	644	500/1000
76075120	12X2X0.75	228	18.10	23.00	713	500/1000
76075160	16X2X0.75	302	20.30	25.00	891	500/1000
76075200	20X2X0.75	377	22.50	27.50	1060	500/1000
76075240	24X2X0.75	451	25.10	30.30	1251	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76001020	2X2X1	51	10.50	14.90	286	500/1000
76001040	4X2X1	98	13.50	16.70	380	500/1000
76001060	6x2X1	145	14.80	19.40	505	500/1000
76001080	8X2X1	192	16.10	20.00	630	500/1000
76001100	10X2X1	239	18.90	23.70	769	500/1000
76001120	12X2X1	285	19.60	22.40	854	500/1000
76001160	16X2X1	379	21.80	26.80	1049	500/1000
76001200	20X2X1	473	24.40	29.60	1199	500/1000
76001240	24X2X1	566	27.30	32.70	1474	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76013020	2X2X1.30	63	11.30	15.70	316	500/1000
76013040	4X2X1.30	120	14.00	17.50	420	500/1000
76013060	6x2X1.30	179	14.50	19.70	613	500/1000
76013080	8X2X1.30	237	17.20	22.00	722	500/1000
76013100	10X2X1.30	295	20.30	25.00	880	500/1000
76013120	12X2X1.30	353	21.00	26.00	987	500/1000
76013160	16X2X1.30	467	23.50	28.50	1201	500/1000
76013200	20X2X1.30	585	26.20	31.40	1483	500/1000
76013240	24X2X1.30	700	29.80	35.20	1776	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM. (mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
76015020	2X2X1.50	70	11.60	16.00	330	500/1000
76015040	4X2X1.50	135	14.50	18.00	451	500/1000
76015060	6x2X1.50	200	16.30	20.90	650	500/1000
76015080	8X2X1.50	265	17.80	22.60	762	500/1000
76015100	10X2X1.50	331	21.00	26.00	933	500/1000
76015120	12X2X1.50	396	21.80	26.80	1053	500/1000
76015160	16X2X1.50	526	24.40	29.60	1314	500/1000
76015200	20X2X1.50	657	27.30	32.70	1597	500/1000
76015240	24X2X1.50	787	30.90	36.50	1944	500/1000

RE-2X(St)Y/Yv-fl (MULTICORE)
CU/XLPE/OSCR/PVC

XLPE INSULATED,OVERALL SCREEN,
MULTICORE INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 7032 GREY SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2X(St)Y/Yv-fl (MULTICORE)
CU/XLPE/OSCR/PVC

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77850020	2x0.50	5.60	14	44	500/1000
77850030	3X0.50	5.80	18	49	500/1000
77850040	4X0.50	6.30	23	57	500/1000
77850050	5X0.50	6.90	28	67	500/1000
77850060	6X0.50	7.40	32	76	500/1000
77850070	7X0.50	7.40	37	82	500/1000
77850100	10X0.50	9.40	51	112	500/1000
77850120	12X0.50	9.60	92	132	500/1000
77850190	19X0.50	11.50	115	197	500/1000
77850240	24X0.50	13.20	144	243	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77875020	2X0.75	6.00	19	49	500/1000
77875030	3X0.75	6.20	26	58	500/1000
77875040	4X0.75	6.60	33	71	500/1000
77875050	5X0.75	7.30	40	85	500/1000
77875060	6X0.75	7.90	47	100	500/1000
77875070	7X0.75	7.90	54	107	500/1000
77875100	10X0.75	10.10	75	150	500/1000
77875120	12X0.75	10.40	89	170	500/1000
77875190	19X0.75	12.30	138	255	500/1000
77875240	24X0.75	14.40	173	320	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77801020	2x1	6.40	23	57	500/1000
77801030	3X1	6.70	32	69	500/1000
77801040	4X1	7.20	41	87	500/1000
77801050	5X1	7.40	50	96	500/1000
77801060	6X1	8.70	60	119	500/1000
77801070	7X1	8.70	69	128	500/1000
77801100	10X1	11.10	97	192	500/1000
77801120	12X1	11.50	115	216	500/1000
77801190	19X1	13.40	180	315	500/1000
77801240	24X1	15.70	225	398	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77815020	2X1.50	7.00	33	69	500/1000
77815030	3X1.50	7.40	47	89	500/1000
77815040	4X1.50	8.00	61	109	500/1000
77815050	5X1.50	9.00	76	134	500/1000
77815060	6X1.50	9.70	90	160	500/1000
77815070	7X1.50	9.70	104	174	500/1000
77815100	10X1.50	12.40	147	245	500/1000
77815120	12X1.50	12.80	175	285	500/1000
77815190	19X1.50	15.10	274	435	500/1000
77815240	24X1.50	17.80	345	544	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77825020	2X2.50	8.50	49	98	500/1000
77825030	3X2.50	8.80	71	127	500/1000
77825040	4X2.50	9.60	93	159	500/1000
77825050	5X2.50	10.60	115	195	500/1000
77825060	6X2.50	11.70	137	236	500/1000
77825070	7X2.50	11.70	159	260	500/1000
77825100	10X2.50	15.00	225	364	500/1000
77825120	12X2.50	15.40	267	428	500/1000
77825190	19X2.50	18.30	423	650	500/1000
77825240	24X2.50	21.50	533	810	500/1000

RE-2X(St)Y/Yv-fl (MULTIPAIR) CU/XLPE/OSCR/PVC

XLPE INSULATED,OVERALL SCREEN, MULTIPAIR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-22 PVC COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 7032 GREY SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 2.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2X(St)Y/Yv-fl (MULTIPAIR)
CU/XLPE/OSCR/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77950010	1X2x0.50	5.60	14	44	500/1000
77950020	2X2X0.50	8.20	23	59	500/1000
77950040	4X2X0.50	9.40	42	98	500/1000
77950060	6X2X0.50	11.00	60	137	500/1000
77950080	8X2X0.50	11.80	78	162	500/1000
77950100	10X2X0.50	13.80	97	206	500/1000
77950120	12X2X0.50	14.20	115	230	500/1000
77950160	16X2X0.50	16.00	152	295	500/1000
77950200	20X2X0.50	18.00	189	360	500/1000
77950240	24X2X0.50	19.50	225	415	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77975010	1X2X0.75	6.00	19	49	500/1000
77975020	2X2X0.75	9.00	33	78	500/1000
77975040	4X2X0.75	10.20	60	117	500/1000
77975060	6X2X0.75	12.20	88	166	500/1000
77975080	8X2X0.75	13.40	117	215	500/1000
77975100	10X2X0.75	15.00	144	253	500/1000
77975120	12X2X0.75	15.80	173	295	500/1000
77975160	16X2X0.75	18.00	229	385	500/1000
77975200	20X2X0.75	20.00	285	465	500/1000
77975240	24X2X0.75	21.50	340	550	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77901010	1X2x1	6.40	23	57	500/1000
77901020	2X2X1	9.60	41	98	500/1000
77901040	4X2X1	11.00	77	136	500/1000
77901060	6x2X1	13.50	113	215	500/1000
77901080	8X2X1	14.40	149	250	500/1000
77901100	10X2X1	16.20	185	305	500/1000
77901120	12X2X1	16.80	221	355	500/1000
77901160	16X2X1	19.50	293	480	500/1000
77901200	20X2X1	21.50	365	580	500/1000
77901240	24X2X1	23.50	437	700	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77913010	1X2X1.30	6.80	29	88	500/1000
77913020	2X2X1.30	10.00	53	112	500/1000
77913040	4X2X1.30	11.60	101	165	500/1000
77913060	6x2X1.30	14.30	149	245	500/1000
77913080	8X2X1.30	15.20	197	310	500/1000
77913100	10X2X1.30	17.20	245	395	500/1000
77913120	12X2X1.30	18.40	293	460	500/1000
77913160	16X2X1.30	20.80	389	575	500/1000
77913200	20X2X1.30	23.30	485	750	500/1000
77913240	24X2X1.30	25.40	581	850	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
77915010	1X2X1.50	7.00	33	97	500/1000
77915020	2X2X1.50	11.20	61	130	500/1000
77915040	4X2X1.50	13.30	117	210	500/1000
77915060	6x2X1.50	16.00	173	295	500/1000
77915080	8X2X1.50	17.00	229	360	500/1000
77915100	10X2X1.50	20.00	285	460	500/1000
77915120	12X2X1.50	21.00	341	535	500/1000
77915160	16X2X1.50	24.00	453	710	500/1000
77915200	20X2X1.50	26.50	565	850	500/1000
77915240	24X2X1.50	29	677	1080	500/1000

RE-2X(St)Y/Yv-fl PIMF
CU/XLPE/PSCR/OSCR/PVC

XLPE INSULATED,INDIVIDUAL AND OVERALL SCREEN INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK AND WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 7032 GREY SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.50 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2X(St)Y/Yv-fl PIMF
CU/XLPE/PSCR/OSCR/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79850020	2X2X0.50	9.10	32	88	500/1000
79850040	4X2X0.50	10.60	60	127	500/1000
79850060	6X2X0.50	13.00	88	180	500/1000
79850080	8X2X0.50	14.10	115	212	500/1000
79850100	10X2X0.50	16.50	143	260	500/1000
79850120	12X2X0.50	17.20	170	288	500/1000
79850160	16X2X0.50	19.30	225	385	500/1000
79850200	20X2X0.50	21.40	280	460	500/1000
79850240	24X2X0.50	24.00	336	545	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79875020	2X2X0.75	9.80	42	107	500/1000
79875040	4X2X0.75	11.60	79	140	500/1000
79875060	6X2X0.75	14.10	116	224	500/1000
79875080	8X2X0.75	15.20	154	260	500/1000
79875100	10X2X0.75	18.10	191	318	500/1000
79875120	12X2X0.75	18.70	228	382	500/1000
79875160	16X2X0.75	21.10	302	480	500/1000
79875200	20X2X0.75	23.50	377	578	500/1000
79875240	24X2X0.75	26.30	451	700	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79801020	2X2X1	10.50	51	121	500/1000
79801040	4X2X1	12.50	98	180	500/1000
79801060	6x2X1	15.20	145	262	500/1000
79801080	8X2X1	16.70	192	315	500/1000
79801100	10X2X1	19.70	239	400	500/1000
79801120	12X2X1	20.40	285	445	500/1000
79801160	16X2X1	22.80	379	575	500/1000
79801200	20X2X1	25.60	473	720	500/1000
79801240	24X2X1	28.70	566	820	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79813020	2X2X1.30	11.50	63	140	500/1000
79813040	4X2X1.30	13.30	120	210	500/1000
79813060	6x2X1.30	16.40	179	300	500/1000
79813080	8X2X1.30	17.80	237	370	500/1000
79813100	10X2X1.30	21.10	295	465	500/1000
79813120	12X2X1.30	22.00	353	510	500/1000
79813160	16X2X1.30	24.70	467	705	500/1000
79813200	20X2X1.30	27.60	585	910	500/1000
79813240	24X2X1.30	31.00	700	1010	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79815020	2X2X1.50	11.80	70	160	500/1000
79815040	4X2X1.50	14.10	135	245	500/1000
79815060	6x2X1.50	16.90	200	320	500/1000
79815080	8X2X1.50	18.40	265	410	500/1000
79815100	10X2X1.50	22.00	331	505	500/1000
79815120	12X2X1.50	22.80	396	595	500/1000
79815160	16X2X1.50	25.60	526	790	500/1000
79815200	20X2X1.50	28.70	657	1000	500/1000
79815240	24X2X1.50	32.10	787	1160	500/1000

RE-2X(St)Y/Yv-fl TIMF
CU/XLPE/TSCR/OSCR/PVC

XLPE INSULATED,INDIVIDUAL AND OVERALL SCREEN
INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-22 PVC COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7032 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 7032 GREY SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.50 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.50 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	7.5X Cable Ø

RE-2X(St)Y/Yv-fl TIMF
CU/XLPE/TSCR/OSCR/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79950020	2X3x0.50	10.10	42	122	500/1000
79950040	4X3X0.50	12.00	79	200	500/1000
79950060	6X3X0.50	14.50	116	280	500/1000
79950080	8X3X0.50	15.50	152	350	500/1000
79950100	10X3X0.50	18.50	189	445	500/1000
79950120	12X3X0.50	19.20	225	510	500/1000
79950160	16X3X0.50	21.50	299	660	500/1000
79950200	20X3X0.50	24.00	373	823	500/1000
79950240	24X3X0.50	27.50	447	995	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79975020	2X3X0.75	10.80	55	140	500/1000
79975040	4X3X0.75	12.80	106	228	500/1000
79975060	6X3X0.75	15.60	157	346	500/1000
79975080	8X3X0.75	17.10	207	422	500/1000
79975100	10X3X0.75	20.30	258	540	500/1000
79975120	12X3X0.75	21.00	308	631	500/1000
79975160	16X3X0.75	23.50	410	830	500/1000
79975200	20X3X0.75	26.30	511	1015	500/1000
79975240	24X2X0.75	29.50	611	1200	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79901020	2X3X1	11.80	70	170	500/1000
79901040	4X3X1	13.80	135	240	500/1000
79901060	6x3X1	17.00	200	425	500/1000
79901080	8X3X1	18.30	266	520	500/1000
79901100	10X3X1	22.00	331	670	500/1000
79901120	12X3X1	22.80	396	775	500/1000
79901160	16X3X1	25.50	526	1070	500/1000
79901200	20X3X1	28.50	658	1230	500/1000
79901240	24X3X1	32.00	788	1400	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79913020	2X3X1.30	12.70	86	200	500/1000
79913040	4X3X1.30	15.10	168	333	500/1000
79913060	6x3X1.30	18.30	249	500	500/1000
79913080	8X3X1.30	20.10	331	620	500/1000
79913100	10X3X1.30	24.00	414	790	500/1000
79913120	12X3X1.30	25.00	495	910	500/1000
79913160	16X3X1.30	28.00	658	1220	500/1000
79913200	20X3X1.30	31.20	823	1515	500/1000
79913240	24X3X1.30	35.00	986	1810	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79915020	2X3X1.50	13.00	98	220	500/1000
79915040	4X3X1.50	15.50	191	370	500/1000
79915060	6x3X1.50	19.00	284	560	500/1000
79915080	8X3X1.50	20.80	377	700	500/1000
79915100	10X3X1.50	24.80	471	870	500/1000
79915120	12X3X1.50	25.70	564	1020	500/1000
79915160	16X3X1.50	28.80	750	1350	500/1000
79915200	20X3X1.50	32.20	937	1650	500/1000
79915240	24X3X1.50	36.40	1123	2000	500/1000

RE-2X(St)YSWAY-fl (MULTICORE) CU/XLPE/OSCR/PVC/SWA/PVC

XLPE INSULATED,OVERALL SCREEN,STEEL WIRE ARMOUR, MULTICORE INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE;AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

- GOOD EMC*CHARACTERISTICS
- SMALL BENDING RADIUS
- FLAME RETARDANT AND AYDROCARBON RESISTANT

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

Yv* = REINFORCED OUTER SHEATH

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7032 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME PROPAGATION	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2X(St)YSWAY-fl (MULTICORE)
CU/XLPE/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78450020	2x0.50	14	5.80	10.40	203	500/1000
78450030	3X0.50	18	6.00	10.60	215	500/1000
78450040	4X0.50	23	6.50	11.10	230	500/1000
78450050	5X0.50	28	7.10	11.90	260	500/1000
78450060	6X0.50	32	7.60	12.40	285	500/1000
78450070	7X0.50	37	7.60	12.40	390	500/1000
78450100	10X0.50	51	9.40	14.20	360	500/1000
78450120	12X0.50	92	9.60	14.40	385	500/1000
78450190	19X0.50	115	11.20	16.20	485	500/1000
78450240	24X0.50	144	13.00	18.00	575	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78475020	2X0.75	19	6.20	10.80	215	500/1000
78475030	3X0.75	26	6.40	11.00	230	500/1000
78475040	4X0.75	33	6.80	11.40	248	500/1000
78475050	5X0.75	40	7.50	12.30	290	500/1000
78475060	6X0.75	47	8.10	12.90	315	500/1000
78475070	7X0.75	54	8.10	12.90	320	500/1000
78475100	10X0.75	75	10.10	14.90	405	500/1000
78475120	12X0.75	89	10.40	15.20	435	500/1000
78475190	19X0.75	138	12.10	17.10	560	500/1000
78475240	24X0.75	173	14.00	19.00	665	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78401020	2x1	23	6.60	11.40	235	500/1000
78401030	3X1	32	6.90	11.50	253	500/1000
78401040	4X1	41	7.40	12.20	280	500/1000
78401050	5X1	50	7.60	12.40	300	500/1000
78401060	6X1	60	8.70	13.50	348	500/1000
78401070	7X1	69	8.70	13.50	355	500/1000
78401100	10X1	97	10.90	15.90	460	500/1000
78401120	12X1	115	11.30	16.30	500	500/1000
78401190	19X1	180	13.20	18.20	640	500/1000
78401240	24X1	225	15.30	21.20	890	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78415020	2X1.50	33	7.20	12.00	268	500/1000
78415030	3X1.50	47	7.60	12.40	293	500/1000
78415040	4X1.50	61	8.20	13.00	326	500/1000
78415050	5X1.50	76	9.00	13.80	370	500/1000
78415060	6X1.50	90	9.70	14.50	415	500/1000
78415070	7X1.50	104	9.70	14.50	422	500/1000
78415100	10X1.50	147	12.20	17.20	555	500/1000
78415120	12X1.50	175	12.60	17.60	600	500/1000
78415190	19X1.50	274	14.70	19.90	795	500/1000
78415240	24X1.50	345	17.20	23.30	1090	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78425020	2X2.50	49	8.50	13.30	320	500/1000
78425030	3X2.50	71	8.80	13.60	365	500/1000
78425040	4X2.50	93	9.60	14.40	408	500/1000
78425050	5X2.50	115	10.60	15.60	475	500/1000
78425060	6X2.50	137	11.50	16.50	530	500/1000
78425070	7X2.50	159	11.50	16.50	550	500/1000
78425100	10X2.50	225	14.60	19.80	740	500/1000
78425120	12X2.50	267	15.00	20.20	800	500/1000
78425190	19X2.50	423	17.70	23.80	1280	500/1000
78425240	24X2.50	533	20.70	27.00	1485	500/1000

RE-2X(St)YSWAY-fl (MULTIPAIR) CU/XLPE/OSCR/PVC/SWA/PVC

XLPE INSULATED, OVERALL SCREEN, STEEL WIRE ARMOUR, MULTIPAIR INSTRUMENTAT (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-22 PVC COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SUITABLE FOR BURRY TO UNDERGROUND

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME PROPAGATION	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2X(St)YSWAY-fl (MULTIPAIR)
CU/XLPE/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78550010	1X2x0.50	14	5.80	10.60	200	500/1000
78550020	2X2X0.50	23	8.00	12.80	280	500/1000
78550040	4X2X0.50	42	9.20	14.00	345	500/1000
78550060	6X2X0.50	60	11.00	16.00	445	500/1000
78550080	8X2X0.50	78	12.10	17.20	490	500/1000
78550100	10X2X0.50	97	13.60	18.60	560	500/1000
78550120	12X2X0.50	115	13.90	18.90	590	500/1000
78550160	16X2X0.50	152	15.80	21.70	840	500/1000
78550200	20X2X0.50	189	17.70	23.80	965	500/1000
78550240	24X2X0.50	225	19.10	25.20	1130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78575010	1X2X0.75	19	6.20	10.80	219	500/1000
78575020	2X2X0.75	33	8.60	13.40	315	500/1000
78575040	4X2X0.75	60	10.00	14.80	390	500/1000
78575060	6X2X0.75	88	12.00	17.00	500	500/1000
78575080	8X2X0.75	117	13.20	18.20	570	500/1000
78575100	10X2X0.75	144	14.90	20.10	668	500/1000
78575120	12X2X0.75	173	15.20	21.10	821	500/1000
78575160	16X2X0.75	229	17.30	23.40	980	500/1000
78575200	20X2X0.75	285	19.40	25.50	1120	500/1000
78575240	24X2X0.75	340	21.00	27.30	1280	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78501010	1X2x1	23	6.60	11.40	236	500/1000
78501020	2X2X1	41	9.20	14.00	345	500/1000
78501040	4X2X1	77	10.80	15.50	438	500/1000
78501060	6x2X1	113	13.00	18.00	570	500/1000
78501080	8X2X1	149	14.30	19.50	648	500/1000
78501100	10X2X1	185	16.20	22.10	870	500/1000
78501120	12X2X1	221	16.50	22.40	930	500/1000
78501160	16X2X1	293	19.10	25.20	1150	500/1000
78501200	20X2X1	365	21.10	27.40	1330	500/1000
78501240	24X2X1	437	22.90	29.20	1500	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78513010	1X2X1.30	29	7.00	11.80	255	500/1000
78513020	2X2X1.30	53	9.90	14.70	375	500/1000
78513040	4X2X1.30	101	11.60	16.60	490	500/1000
78513060	6x2X1.30	149	14.00	19.00	640	500/1000
78513080	8X2X1.30	197	15.40	21.30	845	500/1000
78513100	10X2X1.30	245	17.40	23.50	1000	500/1000
78513120	12X2X1.30	293	17.80	23.90	1120	500/1000
78513160	16X2X1.30	389	20.30	26.40	1300	500/1000
78513200	20X2X1.30	485	22.90	29.20	1525	500/1000
78513240	24X2X1.30	581	24.80	31.30	1660	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78515010	1X2X1.50	33	7.20	12.00	268	500/1000
78515020	2X2X1.50	61	10.20	15.00	396	500/1000
78515040	4X2X1.50	117	12.00	17.00	520	500/1000
78515060	6x2X1.50	173	15.00	20.10	710	500/1000
78515080	8X2X1.50	229	16.20	22.10	910	500/1000
78515100	10X2X1.50	285	18.30	24.40	1060	500/1000
78515120	12X2X1.50	341	19.10	25.20	1170	500/1000
78515160	16X2X1.50	453	21.10	27.40	1400	500/1000
78515200	20X2X1.50	565	24.50	31.00	1685	500/1000
78515240	24X2X1.50	677	27.60	35.00	2185	500/1000

RE-2X(St)YSWAY-fl PIMF
CU/XLPE/PSCR/OSCR/PVC/SWA/PVC

XLPE INSULATED,INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SUITABLE FOR BURRY TO UNDERGROUND

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2X(St)YSWAY-fl PIMF
CU/XLPE/PSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78650020	2X2X0.50	32	9.10	14.00	338	500/1000
78650040	4X2X0.50	60	10.60	15.50	426	500/1000
78650060	6X2X0.50	88	12.60	17.50	545	500/1000
78650080	8X2X0.50	115	13.70	18.80	600	500/1000
78650100	10X2X0.50	143	16.00	22.00	838	500/1000
78650120	12X2X0.50	170	16.60	22.50	895	500/1000
78650160	16X2X0.50	225	18.50	24.50	1070	500/1000
78650200	20X2X0.50	280	20.60	27.00	1250	500/1000
78650240	24X2X0.50	336	23.00	30.00	1435	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78675020	2X2X0.75	42	9.80	14.50	367	500/1000
78675040	4X2X0.75	79	11.40	16.50	470	500/1000
78675060	6X2X0.75	116	13.80	18.80	605	500/1000
78675080	8X2X0.75	154	14.80	20.00	785	500/1000
78675100	10X2X0.75	191	17.50	24.00	960	500/1000
78675120	12X2X0.75	228	18.00	24.50	1028	500/1000
78675160	16X2X0.75	302	20.40	26.50	1220	500/1000
78675200	20X2X0.75	377	22.50	29.00	1425	500/1000
78675240	24X2X0.75	451	25.00	32.00	1650	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78601020	2X2X1	51	10.50	15.50	408	500/1000
78601040	4X2X1	98	12.30	17.50	522	500/1000
78601060	6x2X1	145	14.80	20.00	680	500/1000
78601080	8X2X1	192	16.00	21.50	875	500/1000
78601100	10X2X1	239	19.00	25.00	1060	500/1000
78601120	12X2X1	285	19.60	26.00	1155	500/1000
78601160	16X2X1	379	21.80	28.00	1390	500/1000
78601200	20X2X1	473	24.50	31.00	1640	500/1000
78601240	24X2X1	566	27.50	35.00	2090	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78613020	2X2X1.30	63	11.30	16.50	450	500/1000
78613040	4X2X1.30	120	13.00	18.00	570	500/1000
78613060	6x2X1.30	179	16.00	21.00	860	500/1000
78613080	8X2X1.30	237	17.40	23.50	990	500/1000
78613100	10X2X1.30	295	20.50	26.50	1185	500/1000
78613120	12X2X1.30	353	21.00	27.50	1290	500/1000
78613160	16X2X1.30	467	23.50	30.00	1565	500/1000
78613200	20X2X1.30	585	26.50	34.00	2010	500/1000
78613240	24X2X1.30	700	30.00	37.50	2370	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78615020	2X2X1.50	70	11.50	16.80	465	500/1000
78615040	4X2X1.50	135	14.00	19.00	605	500/1000
78615060	6x2X1.50	200	16.50	22.50	910	500/1000
78615080	8X2X1.50	265	18.00	24.00	1040	500/1000
78615100	10X2X1.50	331	21.00	27.50	1275	500/1000
78615120	12X2X1.50	396	22.00	28.00	1440	500/1000
78615160	16X2X1.50	526	24.50	31.00	1680	500/1000
78615200	20X2X1.50	657	27.50	35.00	2195	500/1000
78615240	24X2X1.50	787	31.00	39.00	2570	500/1000

RE-2X(St)YSWAY-fl TIMF
CU/XLPE/TSCR/OSCR/PVC/SWA/PVC

XLPE INSULATED,INDIVIDUAL AND OVERALL SCREEN,STEEL WIRE ARMOUR INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED COPPER DRAIN WIRE AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-22 PVC COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-22 PVC COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- IN CHEMISTRY INDUSTRY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

Fl* = FLAME RETARDANT OUTER SHEATH

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

- VERY GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SUITABLE FOR BURRY TO UNDERGROUND

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4

6- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- OPERATING VOLTAGE	300/500 V.
9- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
10- BENDING RADIUS	10X Cable Ø

RE-2X(St)YSWAY-fl TIMF
CU/XLPE/TSCR/OSCR/PVC/SWA/PVC

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78750020	2X3X0.50	42	10.40	15.00	380	500/1000
78750040	4X3X0.50	79	12.00	16.80	485	500/1000
78750060	6X3X0.50	116	14.30	19.10	620	500/1000
78750080	8X3X0.50	152	15.50	21.20	815	500/1000
78750100	10X3X0.50	189	18.30	24.20	990	500/1000
78750120	12X3X0.50	225	18.90	24.80	1065	500/1000
78750160	16X3X0.50	299	21.00	27.40	1290	500/1000
78750200	20X3X0.50	373	23.40	29.50	1485	500/1000
78750240	24X3X0.50	447	26.20	33.00	1890	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78775020	2X3X0.75	55	11.10	15.90	425	500/1000
78775040	4X3X0.75	106	12.90	17.70	545	500/1000
78775060	6X3X0.75	157	15.50	21.20	830	500/1000
78775080	8X3X0.75	207	16.80	22.50	940	500/1000
78775100	10X3X0.75	258	19.80	25.70	1160	500/1000
78775120	12X3X0.75	308	20.50	26.40	1260	500/1000
78775160	16X3X0.75	410	22.80	28.90	1500	500/1000
78775200	20X3X0.75	511	25.40	31.70	1760	500/1000
78775240	24X3X0.75	611	28.80	36.00	2300	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78701020	2X3X1	70	11.90	16.70	465	500/1000
78701040	4X3X1	135	13.70	18.70	610	500/1000
78701060	6x3X1	200	16.60	22.30	925	500/1000
78701080	8X3X1	266	18.00	23.90	1060	500/1000
78701100	10X3X1	331	20.70	27.40	1300	500/1000
78701120	12X3X1	396	22.00	28.10	1400	500/1000
78701160	16X3X1	526	24.80	31.10	1710	500/1000
78701200	20X3X1	658	27.40	34.40	2200	500/1000
78701240	24X3X1	788	31.10	38.50	2610	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78713020	2X3X1.30	86	12.80	17.60	515	500/1000
78713040	4X3X1.30	168	15.00	20.00	700	500/1000
78713060	6x3X1.30	249	18.00	23.90	1055	500/1000
78713080	8X3X1.30	331	19.60	25.50	1200	500/1000
78713100	10X3X1.30	414	23.20	29.30	1500	500/1000
78713120	12X3X1.30	495	24.00	30.10	1610	500/1000
78713160	16X3X1.30	658	26.80	33.80	2180	500/1000
78713200	20X3X1.30	823	30.30	37.50	2600	500/1000
78713240	24X3X1.30	986	33.90	41.30	3030	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
78715020	2X3X1.50	98	13.20	18.00	545	500/1000
78715040	4X3X1.50	191	15.40	20.40	735	500/1000
78715060	6x3X1.50	284	18.60	24.50	1115	500/1000
78715080	8X3X1.50	377	20.20	26.10	1280	500/1000
78715100	10X3X1.50	471	23.90	30.00	1570	500/1000
78715120	12X3X1.50	564	24.80	31.10	1750	500/1000
78715160	16X3X1.50	750	28.10	35.30	2370	500/1000
78715200	20X3X1.50	937	31.30	38.70	2740	500/1000
78715240	24X3X1.50	1123	35.00	42.60	3220	500/1000

RE-2X(St)H (MULTICORE) CU/XLPE/OSCR/LSZH

XLPE INSULATED, OVERALL SCREEN, MULTICORE, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
5- STRANDING	IN LAYERS OF OPTIMUM PITCH
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)H (MULTICORE)
CU/XLPE/OSCR/LSZH

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80250020	2x0.50	5.60	14	44	500/1000
80250030	3X0.50	5.80	18	49	500/1000
80250040	4X0.50	6.30	23	57	500/1000
80250050	5X0.50	6.90	28	67	500/1000
80250060	6X0.50	7.40	32	76	500/1000
80250070	7X0.50	7.40	37	82	500/1000
80250100	10X0.50	9.40	51	112	500/1000
80250120	12X0.50	9.60	92	132	500/1000
80250190	19X0.50	11.50	115	197	500/1000
80250240	24X0.50	13.20	144	243	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80275020	2X0.75	6.00	19	49	500/1000
80275030	3X0.75	6.20	26	58	500/1000
80275040	4X0.75	6.60	33	71	500/1000
80275050	5X0.75	7.30	40	85	500/1000
80275060	6X0.75	7.90	47	100	500/1000
80275070	7X0.75	7.90	54	107	500/1000
80275100	10X0.75	10.10	75	150	500/1000
80275120	12X0.75	10.40	89	170	500/1000
80275190	19X0.75	12.30	138	255	500/1000
80275240	24X0.75	14.40	173	320	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80201020	2x1	6.40	23	57	500/1000
80201030	3X1	6.70	32	69	500/1000
80201040	4X1	7.20	41	87	500/1000
80201050	5X1	7.40	50	96	500/1000
80201060	6X1	8.70	60	119	500/1000
80201070	7X1	8.70	69	128	500/1000
80201100	10X1	11.10	97	192	500/1000
80201120	12X1	11.50	115	216	500/1000
80201190	19X1	13.40	180	315	500/1000
80201240	24X1	15.70	225	398	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80215020	2X1.50	7.00	33	69	500/1000
80215030	3X1.50	7.40	47	89	500/1000
80215040	4X1.50	8.00	61	109	500/1000
80215050	5X1.50	9.00	76	134	500/1000
80215060	6X1.50	9.70	90	160	500/1000
80215070	7X1.50	9.70	104	174	500/1000
80215100	10X1.50	12.40	147	245	500/1000
80215120	12X1.50	12.80	175	285	500/1000
80215190	19X1.50	15.10	274	435	500/1000
80215240	24X1.50	17.80	345	544	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80225020	2X2.50	8.50	49	98	500/1000
80225030	3X2.50	8.80	71	127	500/1000
80225040	4X2.50	9.60	93	159	500/1000
80225050	5X2.50	10.60	115	195	500/1000
80225060	6X2.50	11.70	137	236	500/1000
80225070	7X2.50	11.70	159	260	500/1000
80225100	10X2.50	15.00	225	364	500/1000
80225120	12X2.50	15.40	267	428	500/1000
80225190	19X2.50	18.30	423	650	500/1000
80225240	24X2.50	21.50	533	810	500/1000

RE-2X(St) H (MULTIPAIR) CU/XLPE/OSCR/LSZH

XLPE INSULATED, OVERALL SCREEN, MULTIPAIR, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK 02* RAL 7001 GREY

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)H (MULTICORE)
CU/XLPE/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80350010	1X2x0.50	5.60	14	44	500/1000
80350020	2X2X0.50	8.20	23	59	500/1000
80350040	4X2X0.50	9.40	42	98	500/1000
80350060	6X2X0.50	11.00	60	137	500/1000
80350080	8X2X0.50	11.80	78	162	500/1000
80350100	10X2X0.50	13.80	97	206	500/1000
80350120	12X2X0.50	14.20	115	230	500/1000
80350160	16X2X0.50	16.00	152	295	500/1000
80350200	20X2X0.50	18.00	189	360	500/1000
80350240	24X2X0.50	19.50	225	415	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80375010	1X2X0.75	6.00	19	49	500/1000
80375020	2X2X0.75	9.00	33	78	500/1000
80375040	4X2X0.75	10.20	60	117	500/1000
80375060	6X2X0.75	12.20	88	166	500/1000
80375080	8X2X0.75	13.40	117	215	500/1000
80375100	10X2X0.75	15.00	144	253	500/1000
80375120	12X2X0.75	15.80	173	295	500/1000
80375160	16X2X0.75	18.00	229	385	500/1000
80375200	20X2X0.75	20.00	285	465	500/1000
80375240	24X2X0.75	21.50	340	550	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80301010	1X2x1	6.40	23	57	500/1000
80301020	2X2X1	9.60	41	98	500/1000
80301040	4X2X1	11.00	77	136	500/1000
80301060	6x2X1	13.50	113	215	500/1000
80301080	8X2X1	14.40	149	250	500/1000
80301100	10X2X1	16.20	185	305	500/1000
80301120	12X2X1	16.80	221	355	500/1000
80301160	16X2X1	19.50	293	480	500/1000
80301200	20X2X1	21.50	365	580	500/1000
80301240	24X2X1	23.50	437	700	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80313010	1X2X1.30	6.80	29	88	500/1000
80313020	2X2X1.30	10.00	53	112	500/1000
80313040	4X2X1.30	11.60	101	165	500/1000
80313060	6x2X1.30	14.30	149	245	500/1000
80313080	8X2X1.30	15.20	197	310	500/1000
80313100	10X2X1.30	17.20	245	395	500/1000
80313120	12X2X1.30	18.40	293	460	500/1000
80313160	16X2X1.30	20.80	389	575	500/1000
80313200	20X2X1.30	23.30	485	750	500/1000
80313240	24X2X1.30	25.40	581	850	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80315010	1X2X1.50	7.00	33	97	500/1000
80315020	2X2X1.50	11.20	61	130	500/1000
80315040	4X2X1.50	13.30	117	210	500/1000
80315060	6x2X1.50	16.00	173	295	500/1000
80315080	8X2X1.50	17.00	229	360	500/1000
80315100	10X2X1.50	20.00	285	460	500/1000
80315120	12X2X1.50	21.00	341	535	500/1000
80315160	16X2X1.50	24.00	453	710	500/1000
80315200	20X2X1.50	26.50	565	850	500/1000
80315240	24X2X1.50	29.00	677	1080	500/1000

RE-2X(St)H-PIMF
CU/XLPE/PSCR/OSCR/LSZH

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, LZSH SHEATHED INSTRUMENTATION CABLES (EN 50288/7-5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	AIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GERY* RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	EC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)H-PIMF
CU/XLPE/PSCR/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80050020	2X2X0.50	9.10	32	88	500/1000
80050040	4X2X0.50	10.60	60	127	500/1000
80050060	6X2X0.50	13.00	88	180	500/1000
80050080	8X2X0.50	14.10	115	212	500/1000
80050100	10X2X0.50	16.50	143	260	500/1000
80050120	12X2X0.50	17.20	170	288	500/1000
80050160	16X2X0.50	19.30	225	385	500/1000
80050200	20X2X0.50	21.40	280	460	500/1000
80050240	24X2X0.50	24.00	336	545	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80075020	2X2X0.75	9.80	42	107	500/1000
80075040	4X2X0.75	11.60	79	140	500/1000
80075060	6X2X0.75	14.10	116	224	500/1000
80075080	8X2X0.75	15.20	154	260	500/1000
80075100	10X2X0.75	18.10	191	318	500/1000
80075120	12X2X0.75	18.70	228	382	500/1000
80075160	16X2X0.75	21.10	302	480	500/1000
80075200	20X2X0.75	23.50	377	578	500/1000
80075240	24X2X0.75	26.30	451	700	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80001020	2X2X1	10.50	51	121	500/1000
80001040	4X2X1	12.50	98	180	500/1000
80001060	6x2X1	15.20	145	262	500/1000
80001080	8X2X1	16.70	192	315	500/1000
80001100	10X2X1	19.70	239	400	500/1000
80001120	12X2X1	20.40	285	445	500/1000
80001160	16X2X1	22.80	379	575	500/1000
80001200	20X2X1	25.60	473	720	500/1000
80001240	24X2X1	28.70	566	820	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80013020	2X2X1.30	11.50	63	140	500/1000
80013040	4X2X1.30	13.30	120	210	500/1000
80013060	6x2X1.30	16.40	179	300	500/1000
80013080	8X2X1.30	17.80	237	370	500/1000
80013100	10X2X1.30	21.10	295	465	500/1000
80013120	12X2X1.30	22.00	353	510	500/1000
80013160	16X2X1.30	24.70	467	705	500/1000
80013200	20X2X1.30	27.60	585	910	500/1000
80013240	24X2X1.30	31.00	700	1010	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80015020	2X2X1.50	11.80	70	160	500/1000
80015040	4X2X1.50	14.10	135	245	500/1000
80015060	6x2X1.50	16.90	200	320	500/1000
80015080	8X2X1.50	18.40	265	410	500/1000
80015100	10X2X1.50	22.00	331	505	500/1000
80015120	12X2X1.50	22.80	396	595	500/1000
80015160	16X2X1.50	25.60	526	790	500/1000
80015200	20X2X1.50	28.70	657	1000	500/1000
80015240	24X2X1.50	32.10	787	1160	500/1000

RE-2X(St)H-TIMF
CU/XLPE/TSCR/OSCR/LSZH

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, LSZH SHEATHED INSTRUMENTATION CABLES (EN 50228/7-5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH PAIRN UMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 HFFR COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 7001 GREY* RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 50267-2-1/BS EN 50267-2-1

RE-2X(St)H-TIMF
CU/XLPE/TSCR/OSCR/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80150020	2X3x0.50	10.10	42	122	500/1000
80150040	4X3X0.50	12.00	79	200	500/1000
80150060	6X3X0.50	14.50	116	280	500/1000
80150080	8X3X0.50	15.50	152	350	500/1000
80150100	10X3X0.50	18.50	189	445	500/1000
80150120	12X3X0.50	19.20	225	510	500/1000
80150160	16X3X0.50	21.50	299	660	500/1000
80150200	20X3X0.50	24.00	373	823	500/1000
80150240	24X3X0.50	27.50	447	995	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80175020	2X3X0.75	10.80	55	140	500/1000
80175040	4X3X0.75	12.80	106	228	500/1000
80175060	6X3X0.75	15.60	157	346	500/1000
80175080	8X3X0.75	17.10	207	422	500/1000
80175100	10X3X0.75	20.30	258	540	500/1000
80175120	12X3X0.75	21.00	308	631	500/1000
80175160	16X3X0.75	23.50	410	830	500/1000
80175200	20X3X0.75	26.30	511	1015	500/1000
80175240	24X2X0.75	29.50	611	1200	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80101020	2X3X1	11.80	70	170	500/1000
80101040	4X3X1	13.80	135	240	500/1000
80101060	6x3X1	17.00	200	425	500/1000
80101080	8X3X1	18.30	266	520	500/1000
80101100	10X3X1	22.00	331	670	500/1000
80101120	12X3X1	22.80	396	775	500/1000
80101160	16X3X1	25.50	526	1070	500/1000
80101200	20X3X1	28.50	658	1230	500/1000
80101240	24X3X1	32.00	788	1400	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80113020	2X3X1.30	12.70	86	200	500/1000
80113040	4X3X1.30	15.10	168	333	500/1000
80113060	6x3X1.30	18.30	249	500	500/1000
80113080	8X3X1.30	20.10	331	620	500/1000
80113100	10X3X1.30	24.00	414	790	500/1000
80113120	12X3X1.30	25.00	495	910	500/1000
80113160	16X3X1.30	28.00	658	1220	500/1000
80113200	20X3X1.30	31.20	823	1515	500/1000
80113240	24X3X1.30	35.00	986	1810	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
80115020	2X3X1.50	13.00	98	220	500/1000
80115040	4X3X1.50	15.50	191	370	500/1000
80115060	6x3X1.50	19.00	284	560	500/1000
80115080	8X3X1.50	20.80	377	700	500/1000
80115100	10X3X1.50	24.80	471	870	500/1000
80115120	12X3X1.50	25.70	564	1020	500/1000
80115160	16X3X1.50	28.80	750	1350	500/1000
80115200	20X3X1.50	32.20	937	1650	500/1000
80115240	24X3X1.50	36.40	1123	2000	500/1000

RE-2X(St)HSWAH (MULTICORE)
CU/XLPE/OSCR/LSZH/SWA/LSZH

XLPE INSULATED, OVERALL SCREEN, MULTICORE, STEEL WIRE ARMOUR, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 115 pF/m 0.75 mm^2 = 115 pF/m 1.0 mm^2 = 115 pF/m 1.5 mm^2 = 115 pF/m 2.5 mm^2 = 115 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)HSWAH (MULTICORE)
CU/XLPE/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79450020	2x0.50	14	5.80	10.40	203	500/1000
79450030	3X0.50	18	6.00	10.60	215	500/1000
79450040	4X0.50	23	6.50	11.10	230	500/1000
79450050	5X0.50	28	7.10	11.90	260	500/1000
79450060	6X0.50	32	7.60	12.40	285	500/1000
79450070	7X0.50	37	7.60	12.40	390	500/1000
79450100	10X0.50	51	9.40	14.20	360	500/1000
79450120	12X0.50	92	9.60	14.40	385	500/1000
79450190	19X0.50	115	11.20	16.20	485	500/1000
79450240	24X0.50	144	13.00	18.00	575	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79475020	2X0.75	19	6.20	10.80	215	500/1000
79475030	3X0.75	26	6.40	11.00	230	500/1000
79475040	4X0.75	33	6.80	11.40	248	500/1000
79475050	5X0.75	40	7.50	12.30	290	500/1000
79475060	6X0.75	47	8.10	12.90	315	500/1000
79475070	7X0.75	54	8.10	12.90	320	500/1000
79475100	10X0.75	75	10.10	14.90	405	500/1000
79475120	12X0.75	89	10.40	15.20	435	500/1000
79475190	19X0.75	138	12.10	17.10	560	500/1000
79475240	24X0.75	173	14.00	19.00	665	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79401020	2x1	23	6.60	11.40	235	500/1000
79401030	3X1	32	6.90	11.50	253	500/1000
79401040	4X1	41	7.40	12.20	280	500/1000
79401050	5X1	50	7.60	12.40	300	500/1000
79401060	6X1	60	8.70	13.50	348	500/1000
79401070	7X1	69	8.70	13.50	355	500/1000
79401100	10X1	97	10.90	15.90	460	500/1000
79401120	12X1	115	11.30	16.30	500	500/1000
79401190	19X1	180	13.20	18.20	640	500/1000
79401240	24X1	225	15.30	21.20	890	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79413020	2X1.50	33	7.20	12.00	268	500/1000
79413030	3X1.50	47	7.60	12.40	293	500/1000
79413040	4X1.50	61	8.20	13.00	326	500/1000
79413050	5X1.50	76	9.00	13.80	370	500/1000
79413060	6X1.50	90	9.70	14.50	415	500/1000
79413070	7X1.50	104	9.70	14.50	422	500/1000
79413100	10X1.50	147	12.20	17.20	555	500/1000
79413120	12X1.50	175	12.60	17.60	600	500/1000
79413190	19X1.50	274	14.70	19.90	795	500/1000
79413240	24X1.50	345	17.20	23.30	1090	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79415020	2X2.50	49	8.50	13.30	320	500/1000
79415030	3X2.50	71	8.80	13.60	365	500/1000
79415040	4X2.50	93	9.60	14.40	408	500/1000
79415050	5X2.50	115	10.60	15.60	475	500/1000
79415060	6X2.50	137	11.50	16.50	530	500/1000
79415070	7X2.50	159	11.50	16.50	550	500/1000
79415100	10X2.50	225	14.60	19.80	740	500/1000
79415120	12X2.50	267	15.00	20.20	800	500/1000
79415190	19X2.50	423	17.70	23.80	1280	500/1000
79415240	24X2.50	533	20.70	27.00	1485	500/1000

RE-2X(St)HSWAH (MULTIPAIR) CU/XLPE/OSCR/LSZH/SWA/LSZH

XLPE INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE ARMOUR, LSZH INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001 GREY*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)HSWAH (MULTIPAIR)
CU/XLPE/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79550010	1X2x0.50	14	5.80	10.60	200	500/1000
79550020	2X2X0.50	23	8.00	12.80	280	500/1000
79550040	4X2X0.50	42	9.20	14.00	345	500/1000
79550060	6X2X0.50	60	11.00	16.00	445	500/1000
79550080	8X2X0.50	78	12.10	17.20	490	500/1000
79550100	10X2X0.50	97	13.60	18.60	560	500/1000
79550120	12X2X0.50	115	13.90	18.90	590	500/1000
79550160	16X2X0.50	152	15.80	21.70	840	500/1000
79550200	20X2X0.50	189	17.70	23.80	965	500/1000
79550240	24X2X0.50	225	19.10	25.20	1130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79575010	1X2X0.75	19	6.20	10.80	219	500/1000
79575020	2X2X0.75	33	8.60	13.40	315	500/1000
79575040	4X2X0.75	60	10.00	14.80	390	500/1000
79575060	6X2X0.75	88	12.00	17.00	500	500/1000
79575080	8X2X0.75	117	13.20	18.20	570	500/1000
79575100	10X2X0.75	144	14.90	20.10	668	500/1000
79575120	12X2X0.75	173	15.20	21.10	821	500/1000
79575160	16X2X0.75	229	17.30	23.40	980	500/1000
79575200	20X2X0.75	285	19.40	25.50	1120	500/1000
79575240	24X2X0.75	340	21.00	27.30	1280	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79501010	1X2x1	23	6.60	11.40	236	500/1000
79501020	2X2X1	41	9.20	14.00	345	500/1000
79501040	4X2X1	77	10.80	15.50	438	500/1000
79501060	6x2X1	113	13.00	18.00	570	500/1000
79501080	8X2X1	149	14.30	19.50	648	500/1000
79501100	10X2X1	185	16.20	22.10	870	500/1000
79501120	12X2X1	221	16.50	22.40	930	500/1000
79501160	16X2X1	293	19.10	25.20	1150	500/1000
79501200	20X2X1	365	21.10	27.40	1330	500/1000
79501240	24X2X1	437	22.90	29.20	1500	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79513010	1X2X1.30	29	7.00	11.80	255	500/1000
79513020	2X2X1.30	53	9.90	14.70	375	500/1000
79513040	4X2X1.30	101	11.60	16.60	490	500/1000
79513060	6x2X1.30	149	14.00	19.00	640	500/1000
79513080	8X2X1.30	197	15.40	21.30	845	500/1000
79513100	10X2X1.30	245	17.40	23.50	1000	500/1000
79513120	12X2X1.30	293	17.80	23.90	1120	500/1000
79513160	16X2X1.30	389	20.30	26.40	1300	500/1000
79513200	20X2X1.30	485	22.90	29.20	1525	500/1000
79513240	24X2X1.30	581	24.80	31.30	1660	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79515010	1X2X1.50	33	7.20	12.00	268	500/1000
79515020	2X2X1.50	61	10.20	15.00	396	500/1000
79515040	4X2X1.50	117	12.00	17.00	520	500/1000
79515060	6x2X1.50	173	15.00	20.10	710	500/1000
79515080	8X2X1.50	229	16.20	22.10	910	500/1000
79515100	10X2X1.50	285	18.30	24.40	1060	500/1000
79515120	12X2X1.50	341	19.10	25.20	1170	500/1000
79515160	16X2X1.50	453	21.10	27.40	1400	500/1000
79515200	20X2X1.50	565	24.50	31.00	1685	500/1000
79515240	24X2X1.50	677	27.60	35.00	2185	500/1000

RE-2X(St)HSWAH-PIMF
CU/XLPE/PSCR/OSCR/LSZH/SWA/LSZH

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, LSZH SHEATHED INSTRUMENTATION CABLES (EN 50288/7- BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE, TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE, SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)HSWAH-PIMF
CU/XLPE/PSCR/OSCR/LSZH/SWA/LSZH

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79650020	2X2X0.50	32	9.10	14.00	338	500/1000
79650040	4X2X0.50	60	10.60	15.50	426	500/1000
79650060	6X2X0.50	88	12.60	17.50	545	500/1000
79650080	8X2X0.50	115	13.70	18.80	600	500/1000
79650100	10X2X0.50	143	16.00	22.00	838	500/1000
79650120	12X2X0.50	170	16.60	22.50	895	500/1000
79650160	16X2X0.50	225	18.50	24.50	1070	500/1000
79650200	20X2X0.50	280	20.60	27.00	1250	500/1000
79650240	24X2X0.50	336	23.00	30.00	1435	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79675020	2X2X0.75	42	9.80	14.50	367	500/1000
79675040	4X2X0.75	79	11.40	16.50	470	500/1000
79675060	6X2X0.75	116	13.80	18.80	605	500/1000
79675080	8X2X0.75	154	14.80	20.00	785	500/1000
79675100	10X2X0.75	191	17.50	24.00	960	500/1000
79675120	12X2X0.75	228	18.00	24.50	1028	500/1000
79675160	16X2X0.75	302	20.40	26.50	1220	500/1000
79675200	20X2X0.75	377	22.50	29.00	1425	500/1000
79675240	24X2X0.75	451	25.00	32.00	1650	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79601020	2X2X1	51	10.50	15.50	408	500/1000
79601040	4X2X1	98	12.30	17.50	522	500/1000
79601060	6x2X1	145	14.80	20.00	680	500/1000
79601080	8X2X1	192	16.00	21.50	875	500/1000
79601100	10X2X1	239	19.00	25.00	1060	500/1000
79601120	12X2X1	285	19.60	26.00	1155	500/1000
79601160	16X2X1	379	21.80	28.00	1390	500/1000
79601200	20X2X1	473	24.50	31.00	1640	500/1000
79601240	24X2X1	566	27.50	35.00	2090	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79613020	2X2X1.30	63	11.30	16.50	450	500/1000
79613040	4X2X1.30	120	13.00	18.00	570	500/1000
79613060	6x2X1.30	179	16.00	21.00	860	500/1000
79613080	8X2X1.30	237	17.40	23.50	990	500/1000
79613100	10X2X1.30	295	20.50	26.50	1185	500/1000
79613120	12X2X1.30	353	21.00	27.50	1290	500/1000
79613160	16X2X1.30	467	23.50	30.00	1565	500/1000
79613200	20X2X1.30	585	26.50	34.00	2010	500/1000
79613240	24X2X1.30	700	30.00	37.50	2370	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79615020	2X2X1.50	70	11.50	16.80	465	500/1000
79615040	4X2X1.50	135	14.00	19.00	605	500/1000
79615060	6x2X1.50	200	16.50	22.50	910	500/1000
79615080	8X2X1.50	265	18.00	24.00	1040	500/1000
79615100	10X2X1.50	331	21.00	27.50	1275	500/1000
79615120	12X2X1.50	396	22.00	28.00	1440	500/1000
79615160	16X2X1.50	526	24.50	31.00	1680	500/1000
79615200	20X2X1.50	657	27.50	35.00	2195	500/1000
79615240	24X2X1.50	787	31.00	39.00	2570	500/1000

RE-2X(St)HSWAH-TIMF
CU/XLPE/TSCR/OSCR/LSZH/SWA/LZSH

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, LSZH SHEATHED INSTRUMENTATION CABLESB (EN 50288/7-BS5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	SCREENED-STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001 GREY*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 7001 GREY SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
7- OPERATING VOLTAGE	300/500 V.
8- TEST VOLTAJGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1

RE-2X(St)HSWAH-TIMF
CU/XLPE/TSCR/OSCR/LSZH/SWA/LZSH

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79750020	2X3X0.50	42	10.40	15.00	380	500/1000
79750040	4X3X0.50	79	12.00	16.80	485	500/1000
79750060	6X3X0.50	116	14.30	19.10	620	500/1000
79750080	8X3X0.50	152	15.50	21.20	815	500/1000
79750100	10X3X0.50	189	18.30	24.20	990	500/1000
79750120	12X3X0.50	225	18.90	24.80	1065	500/1000
79750160	16X3X0.50	299	21.00	27.40	1290	500/1000
79750200	20X3X0.50	373	23.40	29.50	1485	500/1000
79750240	24X3X0.50	447	26.20	33.00	1890	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79775020	2X3X0.75	55	11.10	15.90	425	500/1000
79775040	4X3X0.75	106	12.90	17.70	545	500/1000
79775060	6X3X0.75	157	15.50	21.20	830	500/1000
79775080	8X3X0.75	207	16.80	22.50	940	500/1000
79775100	10X3X0.75	258	19.80	25.70	1160	500/1000
79775120	12X3X0.75	308	20.50	26.40	1260	500/1000
79775160	16X3X0.75	410	22.80	28.90	1500	500/1000
79775200	20X3X0.75	511	25.40	31.70	1760	500/1000
79775240	24X3X0.75	611	28.80	36.00	2300	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79701020	2X3X1	70	11.90	16.70	465	500/1000
79701040	4X3X1	135	13.70	18.70	610	500/1000
79701060	6x3X1	200	16.60	22.30	925	500/1000
79701080	8X3X1	266	18.00	23.90	1060	500/1000
79701100	10X3X1	331	20.70	27.40	1300	500/1000
79701120	12X3X1	396	22.00	28.10	1400	500/1000
79701160	16X3X1	526	24.80	31.10	1710	500/1000
79701200	20X3X1	658	27.40	34.40	2200	500/1000
79701240	24X3X1	788	31.10	38.50	2610	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79713020	2X3X1.30	86	12.80	17.60	515	500/1000
79713040	4X3X1.30	168	15.00	20.00	700	500/1000
79713060	6x3X1.30	249	18.00	23.90	1055	500/1000
79713080	8X3X1.30	331	19.60	25.50	1200	500/1000
79713100	10X3X1.30	414	23.20	29.30	1500	500/1000
79713120	12X3X1.30	495	24.00	30.10	1610	500/1000
79713160	16X3X1.30	658	26.80	33.80	2180	500/1000
79713200	20X3X1.30	823	30.30	37.50	2600	500/1000
79713240	24X3X1.30	986	33.90	41.30	3030	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
79715020	2X3X1.50	98	13.20	18.00	545	500/1000
79715040	4X3X1.50	191	15.40	20.40	735	500/1000
79715060	6x3X1.50	284	18.60	24.50	1115	500/1000
79715080	8X3X1.50	377	20.20	26.10	1280	500/1000
79715100	10X3X1.50	471	23.90	30.00	1570	500/1000
79715120	12X3X1.50	564	24.80	31.10	1750	500/1000
79715160	16X3X1.50	750	28.10	35.30	2370	500/1000
79715200	20X3X1.50	937	31.30	38.70	2740	500/1000
79715240	24X3X1.50	1123	35.00	42.60	3220	500/1000

RE-2X(St)H..CI (MULTICORE)
CU/MGT+XLPE/OSCR/LSZH..CI

XLPE INSULATED, OVERALL SCREEN, MULTICORE,
FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LSZH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIES

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m 2.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)H..CI (MULTICORE)
CU/MGT+XLPE/OSCR/LSZH..CI

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81050020	2x0.50	5.60	14	45	500/1000
81050030	3X0.50	5.80	18	50	500/1000
81050040	4X0.50	6.30	23	58	500/1000
81050050	5X0.50	6.90	28	68	500/1000
81050060	6X0.50	7.40	32	78	500/1000
81050070	7X0.50	7.40	37	84	500/1000
81050100	10X0.50	9.40	51	115	500/1000
81050120	12X0.50	9.60	92	135	500/1000
81050190	19X0.50	11.50	115	201	500/1000
81050240	24X0.50	13.20	144	248	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81075020	2X0.75	6.00	19	50	500/1000
81075030	3X0.75	6.20	26	59	500/1000
81075040	4X0.75	6.60	33	72	500/1000
81075050	5X0.75	7.30	40	87	500/1000
81075060	6X0.75	7.90	47	102	500/1000
81075070	7X0.75	7.90	54	109	500/1000
81075100	10X0.75	10.10	75	152	500/1000
81075120	12X0.75	10.40	89	173	500/1000
81075190	19X0.75	12.30	138	260	500/1000
81075240	24X0.75	14.40	173	328	500/1000

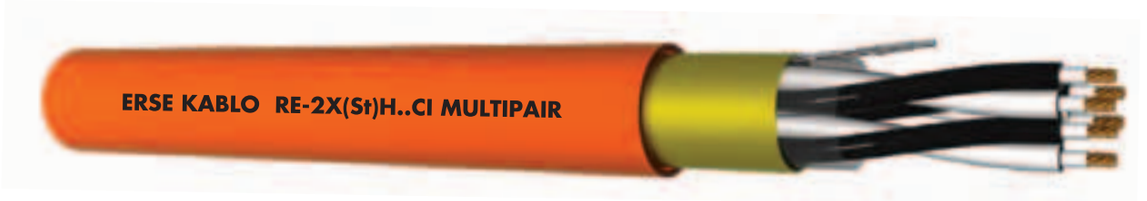
CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81001020	2x1	6.40	23	58	500/1000
81001030	3X1	6.70	32	70	500/1000
81001040	4X1	7.20	41	88	500/1000
81001050	5X1	7.40	50	98	500/1000
81001060	6X1	8.70	60	121	500/1000
81001070	7X1	8.70	69	130	500/1000
81001100	10X1	11.10	97	192	500/1000
81001120	12X1	11.50	115	220	500/1000
81001190	19X1	13.40	180	322	500/1000
81001240	24X1	15.70	225	405	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81015020	2X1.50	7.00	33	70	500/1000
81015030	3X1.50	7.40	47	91	500/1000
81015040	4X1.50	8.00	61	111	500/1000
81015050	5X1.50	9.00	76	137	500/1000
81015060	6X1.50	9.70	90	165	500/1000
81015070	7X1.50	9.70	104	179	500/1000
81015100	10X1.50	12.40	147	253	500/1000
81015120	12X1.50	12.80	175	292	500/1000
81015190	19X1.50	15.10	274	445	500/1000
81015240	24X1.50	17.80	345	556	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81025020	2X2.50	8.50	49	100	500/1000
81025030	3X2.50	8.80	71	130	500/1000
81025040	4X2.50	9.60	93	163	500/1000
81025050	5X2.50	10.60	115	200	500/1000
81025060	6X2.50	11.70	137	243	500/1000
81025070	7X2.50	11.70	159	265	500/1000
81025100	10X2.50	15.00	225	374	500/1000
81025120	12X2.50	15.40	267	433	500/1000
81025190	19X2.50	18.30	423	665	500/1000
81025240	24X2.50	21.50	533	830	500/1000

RE-2X(St) H..CI (MULTIPAIR)
CU/MGT+XLPE/OSCR/LSZH..CI

XLPE INSULATED, OVERALL SCREEN, MULTIPAIR
FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)



RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

- GOOD EMC* CHARACTERISTICS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES,AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 2003 ORANGE SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	EC 60331-21-23

RE-2X(St) H..CI (MULTIPAIR)
CU/MGT+XLPE/OSCR/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81150010	1X2x0.50	5.60	14	45	500/1000
81150020	2X2X0.50	8.20	23	60	500/1000
81150040	4X2X0.50	9.40	42	100	500/1000
81150060	6X2X0.50	11.00	60	140	500/1000
81150080	8X2X0.50	11.80	78	165	500/1000
81150100	10X2X0.50	13.80	97	210	500/1000
81150120	12X2X0.50	14.20	115	235	500/1000
81150160	16X2X0.50	16.00	152	300	500/1000
81150200	20X2X0.50	18.00	189	370	500/1000
81150240	24X2X0.50	19.50	225	430	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81175010	1X2X0.75	6.00	19	50	500/1000
81175020	2X2X0.75	9.00	33	80	500/1000
81175040	4X2X0.75	10.20	60	120	500/1000
81175060	6X2X0.75	12.20	88	170	500/1000
81175080	8X2X0.75	13.40	117	220	500/1000
81175100	10X2X0.75	15.00	144	260	500/1000
81175120	12X2X0.75	15.80	173	305	500/1000
81175160	16X2X0.75	18.00	229	400	500/1000
81175200	20X2X0.75	20.00	285	480	500/1000
81175240	24X2X0.75	21.50	340	570	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81101010	1X2x1	6.40	23	58	500/1000
81101020	2X2X1	9.60	41	100	500/1000
81101040	4X2X1	11.00	77	140	500/1000
81101060	6x2X1	13.50	113	220	500/1000
81101080	8X2X1	14.40	149	260	500/1000
81101100	10X2X1	16.20	185	320	500/1000
81101120	12X2X1	16.80	221	370	500/1000
81101160	16X2X1	19.50	293	500	500/1000
81101200	20X2X1	21.50	365	602	500/1000
81101240	24X2X1	23.50	437	730	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81113010	1X2X1.30	6.80	29	90	500/1000
81113020	2X2X1.30	10.00	53	115	500/1000
81113040	4X2X1.30	11.60	101	170	500/1000
81113060	6x2X1.30	14.30	149	260	500/1000
81113080	8X2X1.30	15.20	197	320	500/1000
81113100	10X2X1.30	17.20	245	410	500/1000
81113120	12X2X1.30	18.40	293	480	500/1000
81113160	16X2X1.30	20.80	389	600	500/1000
81113200	20X2X1.30	23.30	485	780	500/1000
81113240	24X2X1.30	25.40	581	890	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81115010	1X2X1.50	7.00	33	100	500/1000
81115020	2X2X1.50	11.20	61	135	500/1000
81115040	4X2X1.50	13.30	117	220	500/1000
81115060	6x2X1.50	16.00	173	310	500/1000
81115080	8X2X1.50	17.00	229	380	500/1000
81115100	10X2X1.50	20.00	285	480	500/1000
81115120	12X2X1.50	21.00	341	560	500/1000
81115160	16X2X1.50	24.00	453	740	500/1000
81115200	20X2X1.50	26.50	565	890	500/1000
81115240	24X2X1.50	29.00	677	1080	500/1000

RE-2X(St)H-PIMF..CI
CU/MGT+XLPE/PSCR/OSCR/LSZH..CI

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, LZSH FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 2003 ORANGE SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)H-PIMF..CI
CU/MGT+XLPE/PSCR/OSCR/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81250020	2X2X0.50	9.10	32	90	500/1000
81250040	4X2X0.50	10.60	60	130	500/1000
81250060	6X2X0.50	13.00	88	185	500/1000
81250080	8X2X0.50	14.10	115	220	500/1000
81250100	10X2X0.50	16.50	143	270	500/1000
81250120	12X2X0.50	17.20	170	300	500/1000
81250160	16X2X0.50	19.30	225	400	500/1000
81250200	20X2X0.50	21.40	280	475	500/1000
81250240	24X2X0.50	24.00	336	565	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81275020	2X2X0.75	9.80	42	110	500/1000
81275040	4X2X0.75	11.60	79	145	500/1000
81275060	6X2X0.75	14.10	116	230	500/1000
81275080	8X2X0.75	15.20	154	270	500/1000
81275100	10X2X0.75	18.10	191	330	500/1000
81275120	12X2X0.75	18.70	228	400	500/1000
81275160	16X2X0.75	21.10	302	500	500/1000
81275200	20X2X0.75	23.50	377	600	500/1000
81275240	24X2X0.75	26.30	451	730	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81201020	2X2X1	10.50	51	125	500/1000
81201040	4X2X1	12.50	98	185	500/1000
81201060	6x2X1	15.20	145	270	500/1000
81201080	8X2X1	16.70	192	325	500/1000
81201100	10X2X1	19.70	239	415	500/1000
81201120	12X2X1	20.40	285	465	500/1000
81201160	16X2X1	22.80	379	590	500/1000
81201200	20X2X1	25.60	473	740	500/1000
81201240	24X2X1	28.70	566	850	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81213020	2X2X1.30	11.50	63	145	500/1000
81213040	4X2X1.30	13.30	120	220	500/1000
81213060	6x2X1.30	16.40	179	315	500/1000
81213080	8X2X1.30	17.80	237	390	500/1000
81213100	10X2X1.30	21.10	295	480	500/1000
81213120	12X2X1.30	22.00	353	540	500/1000
81213160	16X2X1.30	24.70	467	740	500/1000
81213200	20X2X1.30	27.60	585	950	500/1000
81213240	24X2X1.30	31.00	700	1050	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81215020	2X2X1.50	11.80	70	165	500/1000
81215040	4X2X1.50	14.10	135	255	500/1000
81215060	6x2X1.50	16.90	200	335	500/1000
81215080	8X2X1.50	18.40	265	430	500/1000
81215100	10X2X1.50	22.00	331	525	500/1000
81215120	12X2X1.50	22.80	396	620	500/1000
81215160	16X2X1.50	25.60	526	825	500/1000
81215200	20X2X1.50	28.70	657	1050	500/1000
81215240	24X2X1.50	32.10	787	1230	500/1000

RE-2X(St)H-TIMF..CI
CU/MGT+XLPE/TSCR/OSCR/LSZH..CI

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50228/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES,AT INDOOR

RAL 5015 BLUE SHEATH*	IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 2003 ORANGE SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)H-TIMF..CI
CU/MGT+XLPE/TSCR/OSCR/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81350020	2X3x0.50	10.10	42	125	500/1000
81350040	4X3X0.50	12.00	79	203	500/1000
81350060	6X3X0.50	14.50	116	288	500/1000
81350080	8X3X0.50	15.50	152	358	500/1000
81350100	10X3X0.50	18.50	189	452	500/1000
81350120	12X3X0.50	19.20	225	522	500/1000
81350160	16X3X0.50	21.50	299	678	500/1000
81350200	20X3X0.50	24.00	373	843	500/1000
81350240	24X3X0.50	27.50	447	1020	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81375020	2X3X0.75	10.80	55	145	500/1000
81375040	4X3X0.75	12.80	106	238	500/1000
81375060	6X3X0.75	15.60	157	361	500/1000
81375080	8X3X0.75	17.10	207	442	500/1000
81375100	10X3X0.75	20.30	258	564	500/1000
81375120	12X3X0.75	21.00	308	651	500/1000
81375160	16X3X0.75	23.50	410	854	500/1000
81375200	20X3X0.75	26.30	511	1050	500/1000
81375240	24X2X0.75	29.50	611	1250	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81301020	2X3X1	11.80	70	176	500/1000
81301040	4X3X1	13.80	135	247	500/1000
81301060	6x3X1	17.00	200	437	500/1000
81301080	8X3X1	18.30	266	534	500/1000
81301100	10X3X1	22.00	331	687	500/1000
81301120	12X3X1	22.80	396	794	500/1000
81301160	16X3X1	25.50	526	1005	500/1000
81301200	20X3X1	28.50	658	1270	500/1000
81301240	24X3X1	32.00	788	1466	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81313020	2X3X1.30	12.70	86	205	500/1000
81313040	4X3X1.30	15.10	168	343	500/1000
81313060	6x3X1.30	18.30	249	518	500/1000
81313080	8X3X1.30	20.10	331	644	500/1000
81313100	10X3X1.30	24.00	414	811	500/1000
81313120	12X3X1.30	25.00	495	944	500/1000
81313160	16X3X1.30	28.00	658	1254	500/1000
81313200	20X3X1.30	31.20	823	1543	500/1000
81313240	24X3X1.30	35.00	986	1844	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81315020	2X3X1.50	13.00	98	224	500/1000
81315040	4X3X1.50	15.50	191	376	500/1000
81315060	6x3X1.50	19.00	284	568	500/1000
81315080	8X3X1.50	20.80	377	710	500/1000
81315100	10X3X1.50	24.80	471	898	500/1000
81315120	12X3X1.50	25.70	564	1052	500/1000
81315160	16X3X1.50	28.80	750	1384	500/1000
81315200	20X3X1.50	32.20	937	1700	500/1000
81315240	24X3X1.50	36.40	1123	2050	500/1000

RE-2X(St)HSWAH..CI (MULTICORE)
CU/MGT+XLPE/OSCR/LSZH/SWA/LZSH..CI

XLPE INSULATED, OVERALL SCREEN, MULTICORE, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m 2.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- OPERATING VOLTAGE	300/500 V.

7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)HSWAH..CI (MULTICORE)
CU/MGT+XLPE/OSCR/LSZH/SWA/LZSH..CI

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81450020	2x0.50	14	5.80	10.40	205	500/1000
81450030	3X0.50	18	6.00	10.60	217	500/1000
81450040	4X0.50	23	6.50	11.10	234	500/1000
81450050	5X0.50	28	7.10	11.90	266	500/1000
81450060	6X0.50	32	7.60	12.40	291	500/1000
81450070	7X0.50	37	7.60	12.40	300	500/1000
81450100	10X0.50	51	9.40	14.20	367	500/1000
81450120	12X0.50	92	9.60	14.40	394	500/1000
81450190	19X0.50	115	11.20	16.20	500	500/1000
81450240	24X0.50	144	13.00	18.00	591	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81475020	2X0.75	19	6.20	10.80	218	500/1000
81475030	3X0.75	26	6.40	11.00	235	500/1000
81475040	4X0.75	33	6.80	11.40	254	500/1000
81475050	5X0.75	40	7.50	12.30	296	500/1000
81475060	6X0.75	47	8.10	12.90	324	500/1000
81475070	7X0.75	54	8.10	12.90	333	500/1000
81475100	10X0.75	75	10.10	14.90	420	500/1000
81475120	12X0.75	89	10.40	15.20	450	500/1000
81475190	19X0.75	138	12.10	17.10	580	500/1000
81475240	24X0.75	173	14.00	19.00	680	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81401020	2x1	23	6.60	11.40	238	500/1000
81401030	3X1	32	6.90	11.50	258	500/1000
81401040	4X1	41	7.40	12.20	289	500/1000
81401050	5X1	50	7.60	12.40	310	500/1000
81401060	6X1	60	8.70	13.50	359	500/1000
81401070	7X1	69	8.70	13.50	368	500/1000
81401100	10X1	97	10.90	15.90	480	500/1000
81401120	12X1	115	11.30	16.30	519	500/1000
81401190	19X1	180	13.20	18.20	660	500/1000
81401240	24X1	225	15.30	21.20	911	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81415020	2X1.50	33	7.20	12.00	271	500/1000
81415030	3X1.50	47	7.60	12.40	298	500/1000
81415040	4X1.50	61	8.20	13.00	334	500/1000
81415050	5X1.50	76	9.00	13.80	380	500/1000
81415060	6X1.50	90	9.70	14.50	424	500/1000
81415070	7X1.50	104	9.70	14.50	438	500/1000
81415100	10X1.50	147	12.20	17.20	570	500/1000
81415120	12X1.50	175	12.60	17.60	621	500/1000
81415190	19X1.50	274	14.70	19.90	820	500/1000
81415240	24X1.50	345	17.20	23.30	1119	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81425020	2X2.50	49	8.50	13.30	326	500/1000
81425030	3X2.50	71	8.80	13.60	371	500/1000
81425040	4X2.50	93	9.60	14.40	417	500/1000
81425050	5X2.50	115	10.60	15.60	488	500/1000
81425060	6X2.50	137	11.50	16.50	548	500/1000
81425070	7X2.50	159	11.50	16.50	568	500/1000
81425100	10X2.50	225	14.60	19.80	758	500/1000
81425120	12X2.50	267	15.00	20.20	825	500/1000
81425190	19X2.50	423	17.70	23.80	1305	500/1000
81425240	24X2.50	533	20.70	27.00	1514	500/1000

RE-2X(St)HSWAH..CI (MULTIPAIR)
CU/MGT+XLPE/OSCR/LSZH/SWA/LSZH..CI

XLPE INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 2003 ORANGE SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 65 pF/m 0.75 mm^2 = 65 pF/m 1.0 mm^2 = 65 pF/m 1.30 mm^2 = 75 pF/m 1.5 mm^2 = 75 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)HSWAH..CI (MULTIPAIR)
CU/MGT+XLPE/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81550010	1X2x0.50	14	5.80	10.60	206	500/1000
81550020	2X2X0.50	23	8.00	12.80	289	500/1000
81550040	4X2X0.50	42	9.20	14.00	353	500/1000
81550060	6X2X0.50	60	11.00	16.00	452	500/1000
81550080	8X2X0.50	78	12.10	17.20	506	500/1000
81550100	10X2X0.50	97	13.60	18.60	580	500/1000
81550120	12X2X0.50	115	13.90	18.90	616	500/1000
81550160	16X2X0.50	152	15.80	21.70	860	500/1000
81550200	20X2X0.50	189	17.70	23.80	998	500/1000
81550240	24X2X0.50	225	19.10	25.20	115	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81575010	1X2X0.75	19	6.20	10.80	222	500/1000
81575020	2X2X0.75	33	8.60	13.40	321	500/1000
81575040	4X2X0.75	60	10.00	14.80	400	500/1000
81575060	6X2X0.75	88	12.00	17.00	514	500/1000
81575080	8X2X0.75	117	13.20	18.20	582	500/1000
81575100	10X2X0.75	144	14.90	20.10	683	500/1000
81575120	12X2X0.75	173	15.20	21.10	841	500/1000
81575160	16X2X0.75	229	17.30	23.40	1013	500/1000
81575200	20X2X0.75	285	19.40	25.50	1165	500/1000
81575240	24X2X0.75	340	21.00	27.30	1320	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81501010	1X2x1	23	6.60	11.40	239	500/1000
81501020	2X2X1	41	9.20	14.00	353	500/1000
81501040	4X2X1	77	10.80	15.50	450	500/1000
81501060	6x2X1	113	13.00	18.00	585	500/1000
81501080	8X2X1	149	14.30	19.50	668	500/1000
81501100	10X2X1	185	16.20	22.10	891	500/1000
81501120	12X2X1	221	16.50	22.40	957	500/1000
81501160	16X2X1	293	19.10	25.20	1185	500/1000
81501200	20X2X1	365	21.10	27.40	1368	500/1000
81501240	24X2X1	437	22.90	29.20	1538	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81513010	1X2X1.30	29	7.00	11.80	259	500/1000
81513020	2X2X1.30	53	9.90	14.70	384	500/1000
81513040	4X2X1.30	101	11.60	16.60	500	500/1000
81513060	6x2X1.30	149	14.00	19.00	652	500/1000
81513080	8X2X1.30	197	15.40	21.30	860	500/1000
81513100	10X2X1.30	245	17.40	23.50	1020	500/1000
81513120	12X2X1.30	293	17.80	23.90	1147	500/1000
81513160	16X2X1.30	389	20.30	26.40	1327	500/1000
81513200	20X2X1.30	485	22.90	29.20	1562	500/1000
81513240	24X2X1.30	581	24.80	31.30	1695	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81515010	1X2X1.50	33	7.20	12.00	272	500/1000
81515020	2X2X1.50	61	10.20	15.00	402	500/1000
81515040	4X2X1.50	117	12.00	17.00	528	500/1000
81515060	6x2X1.50	173	15.00	20.10	721	500/1000
81515080	8X2X1.50	229	16.20	22.10	926	500/1000
81515100	10X2X1.50	285	18.30	24.40	1087	500/1000
81515120	12X2X1.50	341	19.10	25.20	1201	500/1000
81515160	16X2X1.50	453	21.10	27.40	1446	500/1000
81515200	20X2X1.50	565	24.50	31.00	1725	500/1000
81515240	24X2X1.50	677	27.60	35.00	2211	500/1000

RE-2X(St)HSWAH-PIMF..CI
CU/MGT+XLPE/PSCR/OSCR/LSZH/SWA/LSZH..CI

**XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN,
STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/1)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 2003 ORANGE*; RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)HSWAH-PIMF..CI
CU/MGT+XLPE/PSCR/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81650020	2X2X0.50	32	9.10	14.00	340	500/1000
81650040	4X2X0.50	60	10.60	15.50	430	500/1000
81650060	6X2X0.50	88	12.60	17.50	550	500/1000
81650080	8X2X0.50	115	13.70	18.80	610	500/1000
81650100	10X2X0.50	143	16.00	22.00	850	500/1000
81650120	12X2X0.50	170	16.60	22.50	910	500/1000
81650160	16X2X0.50	225	18.50	24.50	1090	500/1000
81650200	20X2X0.50	280	20.60	27.00	1270	500/1000
81650240	24X2X0.50	336	23.00	30.00	1460	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81675020	2X2X0.75	42	9.80	14.50	370	500/1000
81675040	4X2X0.75	79	11.40	16.50	475	500/1000
81675060	6X2X0.75	116	13.80	18.80	615	500/1000
81675080	8X2X0.75	154	14.80	20.00	700	500/1000
81675100	10X2X0.75	191	17.50	24.00	980	500/1000
81675120	12X2X0.75	228	18.00	24.50	1050	500/1000
81675160	16X2X0.75	302	20.40	26.50	1250	500/1000
81675200	20X2X0.75	377	22.50	29.00	1450	500/1000
81675240	24X2X0.75	451	25.00	32.00	1680	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81601020	2X2X1	51	10.50	15.50	411	500/1000
81601040	4X2X1	98	12.30	17.50	530	500/1000
81601060	6x2X1	145	14.80	20.00	695	500/1000
81601080	8X2X1	192	16.00	21.50	895	500/1000
81601100	10X2X1	239	19.00	25.00	1085	500/1000
81601120	12X2X1	285	19.60	26.00	1180	500/1000
81601160	16X2X1	379	21.80	28.00	1415	500/1000
81601200	20X2X1	473	24.50	31.00	1670	500/1000
81601240	24X2X1	566	27.50	35.00	2130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81613020	2X2X1.30	63	11.30	16.50	455	500/1000
81613040	4X2X1.30	120	13.00	18.00	580	500/1000
81613060	6x2X1.30	179	16.00	21.00	875	500/1000
81613080	8X2X1.30	237	17.40	23.50	1010	500/1000
81613100	10X2X1.30	295	20.50	26.50	1210	500/1000
81613120	12X2X1.30	353	21.00	27.50	1320	500/1000
81613160	16X2X1.30	467	23.50	30.00	1600	500/1000
81613200	20X2X1.30	585	26.50	34.00	2050	500/1000
81613240	24X2X1.30	700	30.00	37.50	2420	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81615020	2X2X1.50	70	11.50	16.80	470	500/1000
81615040	4X2X1.50	135	14.00	19.00	615	500/1000
81615060	6x2X1.50	200	16.50	22.50	925	500/1000
81615080	8X2X1.50	265	18.00	24.00	1060	500/1000
81615100	10X2X1.50	331	21.00	27.50	1300	500/1000
81615120	12X2X1.50	396	22.00	28.00	1470	500/1000
81615160	16X2X1.50	526	24.50	31.00	1715	500/1000
81615200	20X2X1.50	657	27.50	35.00	2221	500/1000
81615240	24X2X1.50	787	31.00	39.00	2600	500/1000

RE-2X(St)HSWAH-TIMF..CI
CU/MGT+XLPE/TSCR/OSCR/LSZH/SWA/LSZH..CI

XLPE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	MICA TAPE+EN 50290-2-29 XLPE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 2003 ORANGE*; RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	5000 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 100 pF/m 0.75 mm^2 = 100 pF/m 1.0 mm^2 = 100 pF/m 1.30 mm^2 = 100 pF/m 1.5 mm^2 = 100 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2X(St)HSWAH-TIMF..CI
CU/MGT+XLPE/TSCR/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81750020	2X3X0.50	42	10.40	15.00	380	500/1000
81750040	4X3X0.50	79	12.00	16.80	485	500/1000
81750060	6X3X0.50	116	14.30	19.10	620	500/1000
81750080	8X3X0.50	152	15.50	21.20	815	500/1000
81750100	10X3X0.50	189	18.30	24.20	990	500/1000
81750120	12X3X0.50	225	18.90	24.80	1065	500/1000
81750160	16X3X0.50	299	21.00	27.40	1290	500/1000
81750200	20X3X0.50	373	23.40	29.50	1485	500/1000
81750240	24X3X0.50	447	26.20	33.00	1890	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81775020	2X3X0.75	55	11.10	15.90	425	500/1000
81775040	4X3X0.75	106	12.90	17.70	545	500/1000
81775060	6X3X0.75	157	15.50	21.20	830	500/1000
81775080	8X3X0.75	207	16.80	22.50	940	500/1000
81775100	10X3X0.75	258	19.80	25.70	1160	500/1000
81775120	12X3X0.75	308	20.50	26.40	1260	500/1000
81775160	16X3X0.75	410	22.80	28.90	1500	500/1000
81775200	20X3X0.75	511	25.40	31.70	1760	500/1000
81775240	24X3X0.75	611	28.80	36.00	2300	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81701020	2X3X1	70	11.90	16.70	465	500/1000
81701040	4X3X1	135	13.70	18.70	610	500/1000
81701060	6x3X1	200	16.60	22.30	925	500/1000
81701080	8X3X1	266	18.00	23.90	1060	500/1000
81701100	10X3X1	331	20.70	27.40	1300	500/1000
81701120	12X3X1	396	22.00	28.10	1400	500/1000
81701160	16X3X1	526	24.80	31.10	1710	500/1000
81701200	20X3X1	658	27.40	34.40	2200	500/1000
81701240	24X3X1	788	31.10	38.50	2610	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81713020	2X3X1.30	86	12.80	17.60	515	500/1000
81713040	4X3X1.30	168	15.00	20.00	700	500/1000
81713060	6x3X1.30	249	18.00	23.90	1055	500/1000
81713080	8X3X1.30	331	19.60	25.50	1200	500/1000
81713100	10X3X1.30	414	23.20	29.30	1500	500/1000
81713120	12X3X1.30	495	24.00	30.10	1610	500/1000
81713160	16X3X1.30	658	26.80	33.80	2180	500/1000
81713200	20X3X1.30	823	30.30	37.50	2600	500/1000
81713240	24X3X1.30	986	33.90	41.30	3030	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81715020	2X3X1.50	98	13.20	18.00	545	500/1000
81715040	4X3X1.50	191	15.40	20.40	735	500/1000
81715060	6x3X1.50	284	18.60	24.50	1115	500/1000
81715080	8X3X1.50	377	20.20	26.10	1280	500/1000
81715100	10X3X1.50	471	23.90	30.00	1570	500/1000
81715120	12X3X1.50	564	24.80	31.10	1750	500/1000
81715160	16X3X1.50	750	28.10	35.30	2370	500/1000
81715200	20X3X1.50	937	31.30	38.70	2740	500/1000
81715240	24X3X1.50	1123	35.00	42.60	3220	500/1000

RE-2G(St)H..CI (MULTICORE)
CU/SI/OSCR/LSZH..CI

SILICONE INSULATED, OVERALL SCREEN, MULTICORE, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

APPLICATION

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

- GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.41 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m 2.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- OPERATING VOLTAGE	300/500 V.

7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)H..CI (MULTICORE)
CU/SI/OSCR/LSZH..CI

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81850020	2x0.50	5.60	14	45	500/1000
81850030	3X0.50	5.80	18	50	500/1000
81850040	4X0.50	6.30	23	58	500/1000
81850050	5X0.50	6.90	28	68	500/1000
81850060	6X0.50	7.40	32	78	500/1000
81850070	7X0.50	7.40	37	84	500/1000
81850100	10X0.50	9.40	51	115	500/1000
81850120	12X0.50	9.60	92	135	500/1000
81850190	19X0.50	11.50	115	201	500/1000
81850240	24X0.50	13.20	144	248	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81875020	2X0.75	6.00	19	50	500/1000
81875030	3X0.75	6.20	26	59	500/1000
81875040	4X0.75	6.60	33	72	500/1000
81875050	5X0.75	7.30	40	87	500/1000
81875060	6X0.75	7.90	47	102	500/1000
81875070	7X0.75	7.90	54	109	500/1000
81875100	10X0.75	10.10	75	152	500/1000
81875120	12X0.75	10.40	89	173	500/1000
81875190	19X0.75	12.30	138	260	500/1000
81875240	24X0.75	14.40	173	328	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81801020	2x1	6.40	23	58	500/1000
81801030	3X1	6.70	32	70	500/1000
81801040	4X1	7.20	41	88	500/1000
81801050	5X1	7.40	50	98	500/1000
81801060	6X1	8.70	60	121	500/1000
81801070	7X1	8.70	69	130	500/1000
81801100	10X1	11.10	97	192	500/1000
81801120	12X1	11.50	115	220	500/1000
81801190	19X1	13.40	180	322	500/1000
81801240	24X1	15.70	225	405	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81815020	2X1.50	7.00	33	70	500/1000
81815030	3X1.50	7.40	47	91	500/1000
81815040	4X1.50	8.00	61	111	500/1000
81815050	5X1.50	9.00	76	137	500/1000
81815060	6X1.50	9.70	90	165	500/1000
81815070	7X1.50	9.70	104	179	500/1000
81815100	10X1.50	12.40	147	253	500/1000
81815120	12X1.50	12.80	175	292	500/1000
81815190	19X1.50	15.10	274	445	500/1000
81815240	24X1.50	17.80	345	556	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81825020	2X2.50	8.50	49	100	500/1000
81825030	3X2.50	8.80	71	130	500/1000
81825040	4X2.50	9.60	93	163	500/1000
81825050	5X2.50	10.60	115	200	500/1000
81825060	6X2.50	11.70	137	243	500/1000
81825070	7X2.50	11.70	159	265	500/1000
81825100	10X2.50	15.00	225	374	500/1000
81825120	12X2.50	15.40	267	433	500/1000
81825190	19X2.50	18.30	423	665	500/1000
81825240	24X2.50	21.50	533	830	500/1000

RE-2G(St) H..CI (MULTIPAIR)
CU/SI/OSCR/LSZH..CI

SILICONE INSULATED, OVERALL SCREEN, MULTIPAIR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- SHEATH	EN 50290-2-27 LZSH COMPOUND
8- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

- GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- WITHOUT POISONED AND CORROSIVE GASSES

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.41 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 110 pF/m 0.75 mm^2 = 110 pF/m 1.0 mm^2 = 110 pF/m 1.5 mm^2 = 110 pF/m 2.5 mm^2 = 110 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.3 mm^2 = 40 mH/Ω 1.5 mm^2 = 60 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St) H..CI (MULTIPAIR)
CU/SI/OSCR/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81950010	1X2x0.50	5.60	14	45	500/1000
81950020	2X2X0.50	8.20	23	60	500/1000
81950040	4X2X0.50	9.40	42	100	500/1000
81950060	6X2X0.50	11.00	60	140	500/1000
81950080	8X2X0.50	11.80	78	165	500/1000
81950100	10X2X0.50	13.80	97	210	500/1000
81950120	12X2X0.50	14.20	115	235	500/1000
81950160	16X2X0.50	16.00	152	300	500/1000
81950200	20X2X0.50	18.00	189	370	500/1000
81950240	24X2X0.50	19.50	225	430	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH
81975010	1X2X0.75	6.00	19	50	500/1000
81975020	2X2X0.75	9.00	33	80	500/1000
81975040	4X2X0.75	10.20	60	120	500/1000
81975060	6X2X0.75	12.20	88	170	500/1000
81975080	8X2X0.75	13.40	117	220	500/1000
81975100	10X2X0.75	15.00	144	260	500/1000
81975120	12X2X0.75	15.80	173	305	500/1000
81975160	16X2X0.75	18.00	229	400	500/1000
81975200	20X2X0.75	20.00	285	480	500/1000
81975240	24X2X0.75	21.50	340	570	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81901010	1X2x1	6.40	23	58	500/1000
81901020	2X2X1	9.60	41	100	500/1000
81901040	4X2X1	11.00	77	140	500/1000
81901060	6x2X1	13.50	113	220	500/1000
81901080	8X2X1	14.40	149	260	500/1000
81901100	10X2X1	16.20	185	320	500/1000
81901120	12X2X1	16.80	221	370	500/1000
81901160	16X2X1	19.50	293	500	500/1000
81901200	20X2X1	21.50	365	602	500/1000
81901240	24X2X1	23.50	437	730	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81913010	1X2X1.30	6.80	29	90	500/1000
81913020	2X2X1.30	10.00	53	115	500/1000
81913040	4X2X1.30	11.60	101	170	500/1000
81913060	6x2X1.30	14.30	149	260	500/1000
81913080	8X2X1.30	15.20	197	320	500/1000
81913100	10X2X1.30	17.20	245	410	500/1000
81913120	12X2X1.30	18.40	293	480	500/1000
81913160	16X2X1.30	20.80	389	600	500/1000
81913200	20X2X1.30	23.30	485	780	500/1000
81913240	24X2X1.30	25.40	581	890	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
81915010	1X2X1.50	7.00	33	100	500/1000
81915020	2X2X1.50	11.20	61	135	500/1000
81915040	4X2X1.50	13.30	117	220	500/1000
81915060	6x2X1.50	16.00	173	310	500/1000
81915080	8X2X1.50	17.00	229	380	500/1000
81915100	10X2X1.50	20.00	285	480	500/1000
81915120	12X2X1.50	21.00	341	560	500/1000
81915160	16X2X1.50	24.00	453	740	500/1000
81915200	20X2X1.50	26.50	565	890	500/1000
81915240	24X2X1.50	29.00	677	1080	500/1000

RE-2G(St)H-PIMF..CI
CU/SI/PSCR/OSCR/LSZH..CI

**SILICONE INSULATED,INDIVIDUAL AND OVERALL SCREEN,
HFFR FIRE RESISTANT INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/1)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.30 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.3 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.

7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)H-PIMF..CI
CU/SI/PSCR/OSCR/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82050020	2X2X0.50	9.10	32	90	500/1000
82050040	4X2X0.50	10.60	60	130	500/1000
82050060	6X2X0.50	13.00	88	185	500/1000
82050080	8X2X0.50	14.10	115	220	500/1000
82050100	10X2X0.50	16.50	143	270	500/1000
82050120	12X2X0.50	17.20	170	300	500/1000
82050160	16X2X0.50	19.30	225	400	500/1000
82050200	20X2X0.50	21.40	280	475	500/1000
82050240	24X2X0.50	24.00	336	565	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82075020	2X2X0.75	9.80	42	110	500/1000
82075040	4X2X0.75	11.60	79	145	500/1000
82075060	6X2X0.75	14.10	116	230	500/1000
82075080	8X2X0.75	15.20	154	270	500/1000
82075100	10X2X0.75	18.10	191	330	500/1000
82075120	12X2X0.75	18.70	228	400	500/1000
82075160	16X2X0.75	21.10	302	500	500/1000
82075200	20X2X0.75	23.50	377	600	500/1000
82075240	24X2X0.75	26.30	451	730	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82001020	2X2X1	10.50	51	125	500/1000
82001040	4X2X1	12.50	98	185	500/1000
82001060	6x2X1	15.20	145	270	500/1000
82001080	8X2X1	16.70	192	325	500/1000
82001100	10X2X1	19.70	239	415	500/1000
82001120	12X2X1	20.40	285	465	500/1000
82001160	16X2X1	22.80	379	590	500/1000
82001200	20X2X1	25.60	473	740	500/1000
82001240	24X2X1	28.70	566	850	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82013020	2X2X1.30	11.50	63	145	500/1000
82013040	4X2X1.30	13.30	120	220	500/1000
82013060	6x2X1.30	16.40	179	315	500/1000
82013080	8X2X1.30	17.80	237	390	500/1000
82013100	10X2X1.30	21.10	295	480	500/1000
82013120	12X2X1.30	22.00	353	540	500/1000
82013160	16X2X1.30	24.70	467	740	500/1000
82013200	20X2X1.30	27.60	585	950	500/1000
82013240	24X2X1.30	31.00	700	1050	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82015020	2X2X1.50	11.80	70	165	500/1000
82015040	4X2X1.50	14.10	135	255	500/1000
82015060	6x2X1.50	16.90	200	335	500/1000
82015080	8X2X1.50	18.40	265	430	500/1000
82015100	10X2X1.50	22.00	331	525	500/1000
82015120	12X2X1.50	22.80	396	620	500/1000
82015160	16X2X1.50	25.60	526	825	500/1000
82015200	20X2X1.50	28.70	657	1050	500/1000
82015240	24X2X1.50	32.10	787	1230	500/1000

RE-2G(St)H-TIMF..CI
CU/SI/TSCR/OSCR/LSZH..CI

**SILICONE INSULATED, INDIVIDUAL AND OVERALL SCREEN,
FIRE RESISTANT INSTRUMENTATION CABLES
(EN 50228/7-BS 5308/1)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	SCREENED STRANDED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- SHEATH	EN 50290-2-27 LZSH COMPOUND
9- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005 BLACK* RAL 2003 ORANGE*

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- LOW SMOKE EMISSION
- FLAME RETARDANT AND HYDROCARBON RESISTANT

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* IN EXPLOSIVE AND FLARE UP PLACES AS EX-PROOF CONNECTING

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.30 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.

7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	7.5X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4 /BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)H-TIMF..CI
CU/SI/TSCR/OSCR/LSZH..CI

CODE NR	NUMBER OF TRIAD CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82150020	2X3x0.50	10.10	42	125	500/1000
82150040	4X3X0.50	12.0	79	203	500/1000
82150060	6X3X0.50	14.50	116	288	500/1000
82150080	8X3X0.50	15.50	152	358	500/1000
82150100	10X3X0.50	18.50	189	452	500/1000
82150120	12X3X0.50	19.20	225	522	500/1000
82150160	16X3X0.50	21.50	299	678	500/1000
82150200	20X3X0.50	24.00	373	843	500/1000
82150240	24X3X0.50	27.50	447	1020	500/1000

CODE NR	NUMBER OF TRIAD CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82175020	2X3X0.75	10.80	55	145	500/1000
82175040	4X3X0.75	12.80	106	238	500/1000
82175060	6X3X0.75	15.60	157	361	500/1000
82175080	8X3X0.75	17.10	207	442	500/1000
82175100	10X3X0.75	20.30	258	564	500/1000
82175120	12X3X0.75	21.00	308	651	500/1000
82175160	16X3X0.75	23.50	410	854	500/1000
82175200	20X3X0.75	26.30	511	1050	500/1000
82175240	24X2X0.75	29.50	611	1250	500/1000

CODE NR	NUMBER OF TRIAD CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82101020	2X3X1	11.80	70	176	500/1000
82101040	4X3X1	13.80	135	247	500/1000
82101060	6x3X1	17.00	200	437	500/1000
82101080	8X3X1	18.30	266	534	500/1000
82101100	10X3X1	22.00	331	687	500/1000
82101120	12X3X1	22.80	396	794	500/1000
82101160	16X3X1	25.50	526	1005	500/1000
82101200	20X3X1	28.50	658	1270	500/1000
82101240	24X3X1	32.00	788	1466	500/1000

CODE NR	NUMBER OF TRIAD CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82113020	2X3X1.30	12.70	86	205	500/1000
82113040	4X3X1.30	15.10	168	343	500/1000
82113060	6x3X1.30	18.30	249	518	500/1000
82113080	8X3X1.30	20.10	331	644	500/1000
82113100	10X3X1.30	24.00	414	811	500/1000
82113120	12X3X1.30	25.00	495	944	500/1000
82113160	16X3X1.30	28.00	658	1254	500/1000
82113200	20X3X1.30	31.20	823	1543	500/1000
82113240	24X3X1.30	35.00	986	1844	500/1000

CODE NR	NUMBER OF TRIAD CROSS SECTION	OVERALL DIAM. (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82115020	2X3X1.50	13.00	98	224	500/1000
82115040	4X3X1.50	15.50	191	376	500/1000
82115060	6x3X1.50	19.00	284	568	500/1000
82115080	8X3X1.50	20.80	377	710	500/1000
82115100	10X3X1.50	24.80	471	898	500/1000
82115120	12X3X1.50	25.70	564	1052	500/1000
82115160	16X3X1.50	28.80	750	1384	500/1000
82115200	20X3X1.50	32.20	937	1700	500/1000
82115240	24X3X1.50	36.40	1123	2050	500/1000

RE-2G(St)HSWAH..CI (MULTICORE)
CU/SI/OSCR/LSZH/SWA/LSZH..CI

SILICONE INSULATED, OVERALL SCREEN, MULTICORE, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	WHITE INSULATED CORES WITH BLACK NUMBER IMPIRINTED
4- STRANDING	IN LAYERS OF OPTIMUM PITCH
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

- GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- SMALL BENDING RADIUS
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- WITHOUT POISONED AND CORROSIVE GASSES

APPLICATION

INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH*	AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS
RAL 9005 BLACK SHEATH*	PLACES WHERE UV RESISTANCE IS REQUIRED
RAL 2003 ORANGE SHEATH*	INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.5 mm^2 = 12.1 Ω/km 2.5 mm^2 = 7.4 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m 2.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.5 mm^2 = 40 mH/Ω 2.5 mm^2 = 60 mH/Ω
6- OPERATING VOLTAGE	300/500 V.

7- CURRENT LOAD(25^{0}C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.5 mm^2 = 20 A 2.5 mm^2 = 25 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)HSWAH..CI (MULTICORE)
CU/SI/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82250020	2x0.50	14	5.80	10.40	205	500/1000
82250030	3X0.50	18	6.00	10.60	217	500/1000
82250040	4X0.50	23	6.50	11.10	234	500/1000
82250050	5X0.50	28	7.10	11.90	266	500/1000
82250060	6X0.50	32	7.60	12.40	291	500/1000
82250070	7X0.50	37	7.60	12.40	300	500/1000
82250100	10X0.50	51	9.40	14.20	367	500/1000
82250120	12X0.50	92	9.60	14.40	394	500/1000
82250190	19X0.50	115	11.20	16.20	500	500/1000
82250240	24X0.50	144	13.00	18.00	591	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82275020	2X0.75	19	6.20	10.80	218	500/1000
82275030	3X0.75	26	6.40	11.00	235	500/1000
82275040	4X0.75	33	6.80	11.40	254	500/1000
82275050	5X0.75	40	7.50	12.30	296	500/1000
82275060	6X0.75	47	8.10	12.90	324	500/1000
82275070	7X0.75	54	8.10	12.90	333	500/1000
82275100	10X0.75	75	10.10	14.90	420	500/1000
82275120	12X0.75	89	10.40	15.20	450	500/1000
82275190	19X0.75	138	12.10	17.10	580	500/1000
82275240	24X0.75	173	14.00	19.00	680	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82201020	2x1	23	6.60	11.40	238	500/1000
82201030	3X1	32	6.90	11.50	258	500/1000
82201040	4X1	41	7.40	12.20	289	500/1000
82201050	5X1	50	7.60	12.40	310	500/1000
82201060	6X1	60	8.70	13.50	359	500/1000
82201070	7X1	69	8.70	13.50	368	500/1000
82201100	10X1	97	10.90	15.90	480	500/1000
82201120	12X1	115	11.30	16.30	519	500/1000
82201190	19X1	180	13.20	18.20	660	500/1000
82201240	24X1	225	15.30	21.20	911	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82215020	2X1.50	33	7.20	12.00	271	500/1000
82215030	3X1.50	47	7.60	12.40	298	500/1000
82215040	4X1.50	61	8.20	13.00	334	500/1000
82215050	5X1.50	76	9.00	13.80	380	500/1000
82215060	6X1.50	90	9.70	14.50	424	500/1000
82215070	7X1.50	104	9.70	14.50	438	500/1000
82215100	10X1.50	147	12.20	17.20	570	500/1000
82215120	12X1.50	175	12.60	17.60	621	500/1000
82215190	19X1.50	274	14.70	19.90	820	500/1000
82215240	24X1.50	345	17.20	23.30	1119	500/1000

CODE NR	NUMBER OF CORE CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82225020	2X2.50	49	8.50	13.30	326	500/1000
82225030	3X2.50	71	8.80	13.60	371	500/1000
82225040	4X2.50	93	9.60	14.40	417	500/1000
82225050	5X2.50	115	10.60	15.60	488	500/1000
82225060	6X2.50	137	11.50	16.50	548	500/1000
82225070	7X2.50	159	11.50	16.50	568	500/1000
82225100	10X2.50	225	14.60	19.80	758	500/1000
82225120	12X2.50	267	15.00	20.20	825	500/1000
82225190	19X2.50	423	17.70	23.80	1305	500/1000
82225240	24X2.50	533	20.70	27.00	1514	500/1000

RE-2G(St)HSWAH..CI (MULTIPAIR)
CU/SI/OSCR/LSZH/SWA/LSZH..CI

SILICONE INSULATED, OVERALL SCREEN, MULTIPAIR, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUMBERED
4- STRANDING	PAIRWISE, PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
5- WRAPPING	PES TAPE
6- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
8- ARMOUR	GALVANIZED ROUND STEEL WIRES
9- SHEATH	EN 50290-2-27 LZSH COMPOUND
10- SHEATH COLOUR	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003 ORANGE*

- GOOD EMC* CHARACTERISTICS
- LOW SMOKE EMISSION
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- SMALL BENDING RADIUS

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 110 pF/m 0.75 mm^2 = 110 pF/m 1.0 mm^2 = 110 pF/m 1.30 mm^2 = 110 pF/m 1.5 mm^2 = 110 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21/23

RE-2G(St)HSWAH..CI (MULTIPAIR)
CU/SI/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82350010	1X2x0.50	14	5.80	10.60	206	500/1000
82350020	2X2X0.50	23	8.00	12.80	289	500/1000
82350040	4X2X0.50	42	9.20	14.00	353	500/1000
82350060	6X2X0.50	60	11.00	16.00	452	500/1000
82350080	8X2X0.50	78	12.10	17.20	506	500/1000
82350100	10X2X0.50	97	13.60	18.60	580	500/1000
82350120	12X2X0.50	115	13.90	18.90	616	500/1000
82350160	16X2X0.50	152	15.80	21.70	860	500/1000
82350200	20X2X0.50	189	17.70	23.80	998	500/1000
82350240	24X2X0.50	225	19.10	25.20	115	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82375010	1X2X0.75	19	6.20	10.80	222	500/1000
82375020	2X2X0.75	33	8.60	13.40	321	500/1000
82375040	4X2X0.75	60	10.00	14.80	400	500/1000
82375060	6X2X0.75	88	12.00	17.00	514	500/1000
82375080	8X2X0.75	117	13.20	18.20	582	500/1000
82375100	10X2X0.75	144	14.90	20.10	683	500/1000
82375120	12X2X0.75	173	15.20	21.10	841	500/1000
82375160	16X2X0.75	229	17.30	23.40	1013	500/1000
82375200	20X2X0.75	285	19.40	25.50	1165	500/1000
82375240	24X2X0.75	340	21.00	27.30	1320	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82301010	1X2x1	23	6.60	11.40	239	500/1000
82301020	2X2X1	41	9.20	14.00	353	500/1000
82301040	4X2X1	77	10.80	15.50	450	500/1000
82301060	6x2X1	113	13.00	18.00	585	500/1000
82301080	8X2X1	149	14.30	19.50	668	500/1000
82301100	10X2X1	185	16.20	22.10	891	500/1000
82301120	12X2X1	221	16.50	22.40	957	500/1000
82301160	16X2X1	293	19.10	25.20	1185	500/1000
82301200	20X2X1	365	21.10	27.40	1368	500/1000
82301240	24X2X1	437	22.90	29.20	1538	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82313010	1X2X1.30	29	7.00	11.80	259	500/1000
82313020	2X2X1.30	53	9.90	14.70	384	500/1000
82313040	4X2X1.30	101	11.60	16.60	500	500/1000
82313060	6x2X1.30	149	14.00	19.00	652	500/1000
82313080	8X2X1.30	197	15.40	21.30	860	500/1000
82313100	10X2X1.30	245	17.40	23.50	1020	500/1000
82313120	12X2X1.30	293	17.80	23.90	1147	500/1000
82313160	16X2X1.30	389	20.30	26.40	1327	500/1000
82313200	20X2X1.30	485	22.90	29.20	1562	500/1000
82313240	24X2X1.30	581	24.80	31.30	1695	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82315010	1X2X1.50	33	7.20	12.00	272	500/1000
82315020	2X2X1.50	61	10.20	15.00	402	500/1000
82315040	4X2X1.50	117	12.00	17.00	528	500/1000
82315060	6x2X1.50	173	15.00	20.10	721	500/1000
82315080	8X2X1.50	229	16.20	22.10	926	500/1000
82315100	10X2X1.50	285	18.30	24.40	1087	500/1000
82315120	12X2X1.50	341	19.10	25.20	1201	500/1000
82315160	16X2X1.50	453	21.10	27.40	1446	500/1000
82315200	20X2X1.50	565	24.50	31.00	1725	500/1000
82315240	24X2X1.50	677	27.60	35.00	2211	500/1000

RE-2G(St)HSWAH-PIMF..CI
CU/SI/PSCR/OSCR/LSZH/SWA/LSZH..CI

SILICONE INSULATED, INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES (EN 50288/7-BS 5308/1)

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE EACH PAIR NUBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED PAIRS IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 2003 ORANGE*; RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.30 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)HSWAH-PIMF..CI
CU/SI/PSCR/OSCR/LSZH/SWA/LSZH..CI

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82450020	2X2X0.50	32	9.10	14.00	340	500/1000
82450040	4X2X0.50	60	10.60	15.50	430	500/1000
82450060	6X2X0.50	88	12.60	17.50	550	500/1000
82450080	8X2X0.50	115	13.70	18.80	610	500/1000
82450100	10X2X0.50	143	16.00	22.00	850	500/1000
82450120	12X2X0.50	170	16.60	22.50	910	500/1000
82450160	16X2X0.50	225	18.50	24.50	1090	500/1000
82450200	20X2X0.50	280	20.60	27.00	1270	500/1000
82450240	24X2X0.50	336	23.00	30.00	1460	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82475020	2X2X0.75	42	9.80	14.50	370	500/1000
82475040	4X2X0.75	79	11.40	16.50	475	500/1000
82475060	6X2X0.75	116	13.80	18.80	615	500/1000
82475080	8X2X0.75	154	14.80	20.00	700	500/1000
82475100	10X2X0.75	191	17.50	24.00	980	500/1000
82475120	12X2X0.75	228	18.00	24.50	1050	500/1000
82475160	16X2X0.75	302	20.40	26.50	1250	500/1000
82475200	20X2X0.75	377	22.50	29.00	1450	500/1000
82475240	24X2X0.75	451	25.00	32.00	1680	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82401020	2X2X1	51	10.50	15.50	411	500/1000
82401040	4X2X1	98	12.30	17.50	530	500/1000
82401060	6x2X1	145	14.80	20.00	695	500/1000
82401080	8X2X1	192	16.00	21.50	895	500/1000
82401100	10X2X1	239	19.00	25.00	1085	500/1000
82401120	12X2X1	285	19.60	26.00	1180	500/1000
82401160	16X2X1	379	21.80	28.00	1415	500/1000
82401200	20X2X1	473	24.50	31.00	1670	500/1000
82401240	24X2X1	566	27.50	35.00	2130	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82413020	2X2X1.30	63	11.30	16.50	455	500/1000
82413040	4X2X1.30	120	13.00	18.00	580	500/1000
82413060	6x2X1.30	179	16.00	21.00	875	500/1000
82413080	8X2X1.30	237	17.40	23.50	1010	500/1000
82413100	10X2X1.30	295	20.50	26.50	1210	500/1000
82413120	12X2X1.30	353	21.00	27.50	1320	500/1000
82413160	16X2X1.30	467	23.50	30.00	1600	500/1000
82413200	20X2X1.30	585	26.50	34.00	2050	500/1000
82413240	24X2X1.30	700	30.00	37.50	2420	500/1000

CODE NR	NUMBER OF PAIR CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82415020	2X2X1.50	70	11.50	16.80	470	500/1000
82415040	4X2X1.50	135	14.00	19.00	615	500/1000
82415060	6x2X1.50	200	16.50	22.50	925	500/1000
82415080	8X2X1.50	265	18.00	24.00	1060	500/1000
82415100	10X2X1.50	331	21.00	27.50	1300	500/1000
82415120	12X2X1.50	396	22.00	28.00	1470	500/1000
82415160	16X2X1.50	526	24.50	31.00	1715	500/1000
82415200	20X2X1.50	657	27.50	35.00	2221	500/1000
82415240	24X2X1.50	787	31.00	39.00	2600	500/1000

RE-2G(St)HSWAH-TIMF..CI
CU/SI/TSCR/OSCR/LSZH/SWA/LSZH..CI

**SILICONE INSULATED, INDIVIDUAL AND OVERALL SCREEN,
STEEL WIRE ARMOUR, FIRE RESISTANT INSTRUMENTATION CABLES
(EN 50288/7-BS 5308/1)**

RoHS Compliant

CONSTRUCTION

1- CONDUCTOR	IEC-60228 ;DIN VDE 0295;EN 60228
2- INSULATION	EN 50363-1 EI2 SILICONE
3- COLOUR CODE	BS-5308 PART-1 OR BLACK-WHITE-RED EACH TIRAD NUMBERED
4- INDIVIDUAL SCREEN	PES TAPE,TINNED DRAIN WIRE, AL-PES TAPE
5- STRANDING	PAIRWISE,SCREENED TRIPLE IN LAYERS AND 1 NUMBER COMMUNICATION CORE
6- WRAPPING	PES TAPE
7- OVERALL SCREEN	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8- INNER SHEATH	EN 50290-2-27 LZSH COMPOUND
9- ARMOUR	GALVANIZED ROUND STEEL WIRES
10- SHEATH	EN 50290-2-27 LZSH COMPOUND
11- SHEATH COLOUR	RAL 5015* BLUE; RAL 2003 ORANGE*; RAL 9005 BLACK

- VERY GOOD EMC* CHARACTERISTICS
- SMALL BENDING RADIUS
- WITHOUT POISONED AND CORROSIVE GASSES
- FLAME RETARDANT AND HYDROCARBON RESISTANT
- LOW SMOKE EMISSION

APPLICATION

-INDOOR ENVIRONMENTS INTENSELY POPULATED BY PEOPLE WHERE THERE IS ELECTROMAGNETIC INTERFERENCE.

1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION

2- PETROLEUM REFINERIY

3- PETROCHEMISTRY INDUSTRY

4- POWER PLANTS

5- NATURAL GAS PUMP STATIONS

6- DRY-MOIST AND WET PLACES, AT INDOOR

RAL 5015 BLUE SHEATH* AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS

RAL 9005 BLACK SHEATH* PLACES WHERE UV RESISTANCE IS REQUIRED

RAL 2003 ORANGE SHEATH* INSIDE OF BUILDINGS

TECHNICAL CHARACTERISTICS

1- CONDUCTOR RESISTANCE	0.50 mm^2 = 36 Ω/km 0.75 mm^2 = 24.5 Ω/km 1.0 mm^2 = 18.1 Ω/km 1.30 mm^2 = 13.9 Ω/km 1.5 mm^2 = 12.1 Ω/km
2- INSULATION RESISTANCE (MIN)	300 MΩXKm
3- MUTUAL CAPACITY (MAX)	0.50 mm^2 = 150 pF/m 0.75 mm^2 = 150 pF/m 1.0 mm^2 = 150 pF/m 1.30 mm^2 = 150 pF/m 1.5 mm^2 = 150 pF/m
4- TEMPERATURE RANGE	- 30^0C~+90^0C (FIXED LAYING)
5- L/R(RATIO) (MAX)	0.50 mm^2 = 25 mH/Ω 0.75 mm^2 = 25 mH/Ω 1.0 mm^2 = 25 mH/Ω 1.30 mm^2 = 40 mH/Ω 1.5 mm^2 = 40 mH/Ω
6- OPERATING VOLTAGE	300/500 V.
7- CURRENT LOAD(25^0C)	0.50 mm^2 = 6.0 A 0.75 mm^2 = 13 A 1.0 mm^2 = 16 A 1.30 mm^2 = 18 A 1.5 mm^2 = 20 A
8- TEST VOLTAGE	Core/Core = 2000 V. Core/Screen = 2000 V.
9- BENDING RADIUS	10X Cable Ø
10- FLAME TEST	IEC 60332-3-24;VDE 0482-266-2-4 EN 50266-2-4/BS EN 50266-2-4
11- SMOKE DENSITY	IEC 61034-2/VDE 0482-1034-2 EN 61034-2/BS EN 61034-2
12- TEST ON CORROSIVENESS OF COMBUSTION GASES	IEC 60754-2/VDE 0482-267-2-3 EN 50267-2-3/BS EN 50267-2-3
13- HALOGEN-FREE TEST	IEC 60754-1;VDE 0482-267-2-1 EN 50267-2-1/BS EN 50267-2-1
14- FIRE RESISTANT TEST	IEC 60331-21-23

RE-2G(St)HSWAH-TIMF..CI
CU/SI/TSCR/OSCR/LSZH/SWA/LSZH..CI

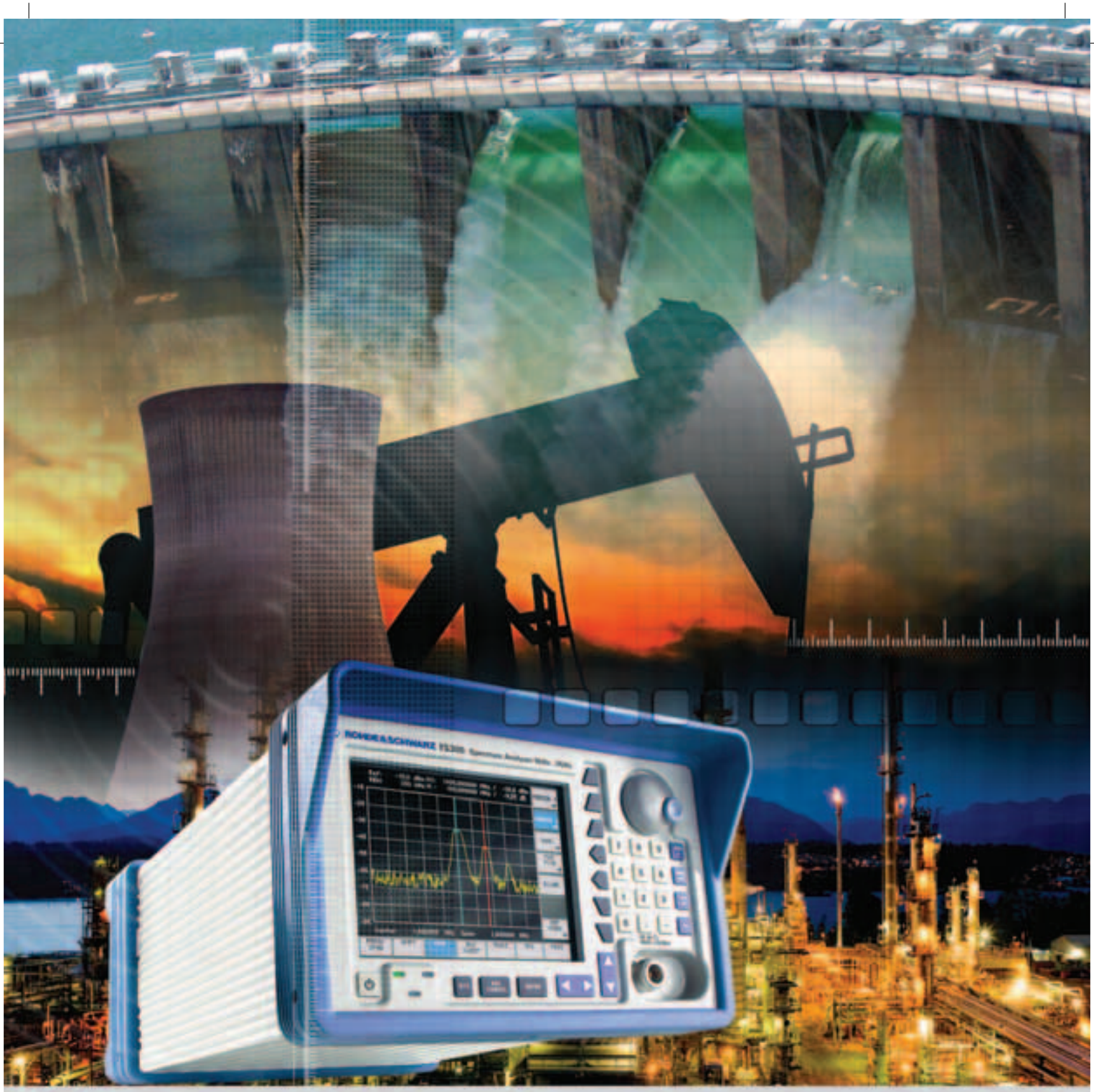
CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82550020	2X3X0.50	42	10.40	15.00	385	500/1000
82550040	4X3X0.50	79	12.00	16.80	490	500/1000
82550060	6X3X0.50	116	14.30	19.10	630	500/1000
82550080	8X3X0.50	152	15.50	21.20	830	500/1000
82550100	10X3X0.50	189	18.30	24.20	1010	500/1000
82550120	12X3X0.50	225	18.90	24.80	1085	500/1000
82550160	16X3X0.50	299	21.00	27.40	1315	500/1000
82550200	20X3X0.50	373	23.40	29.50	1520	500/1000
82550240	24X3X0.50	447	26.20	33.00	1930	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82575020	2X3X0.75	55	11.10	15.90	430	500/1000
82575040	4X3X0.75	106	12.90	17.70	550	500/1000
82575060	6X3X0.75	157	15.50	21.20	845	500/1000
82575080	8X3X0.75	207	16.80	22.50	960	500/1000
82575100	10X3X0.75	258	19.80	25.70	1185	500/1000
82575120	12X3X0.75	308	20.50	26.40	1290	500/1000
82575160	16X3X0.75	410	22.80	28.90	1545	500/1000
82575200	20X3X0.75	511	25.40	31.70	1800	500/1000
82575240	24X3X0.75	611	28.80	36.00	2360	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82501020	2X3X1	70	11.90	16.70	475	500/1000
82501040	4X3X1	135	13.70	18.70	630	500/1000
82501060	6x3X1	200	16.60	22.30	960	500/1000
82501080	8X3X1	266	18.00	23.90	1130	500/1000
82501100	10X3X1	331	20.70	27.40	1370	500/1000
82501120	12X3X1	396	22.00	28.10	1480	500/1000
82501160	16X3X1	526	24.80	31.10	1800	500/1000
82501200	20X3X1	658	27.40	34.40	2300	500/1000
82501240	24X3X1	788	31.10	38.50	2740	500/1000

CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82513020	2X3X1.30	86	12.80	17.60	525	500/1000
82513040	4X3X1.30	168	15.00	20.00	730	500/1000
82513060	6x3X1.30	249	18.00	23.90	1090	500/1000
82513080	8X3X1.30	331	19.60	25.50	1270	500/1000
82513100	10X3X1.30	414	23.20	29.30	1580	500/1000
82513120	12X3X1.30	495	24.00	30.10	1700	500/1000
82513160	16X3X1.30	658	26.80	33.80	2280	500/1000
82513200	20X3X1.30	823	30.30	37.50	2700	500/1000
82513240	24X3X1.30	986	33.90	41.30	3150	500/1000

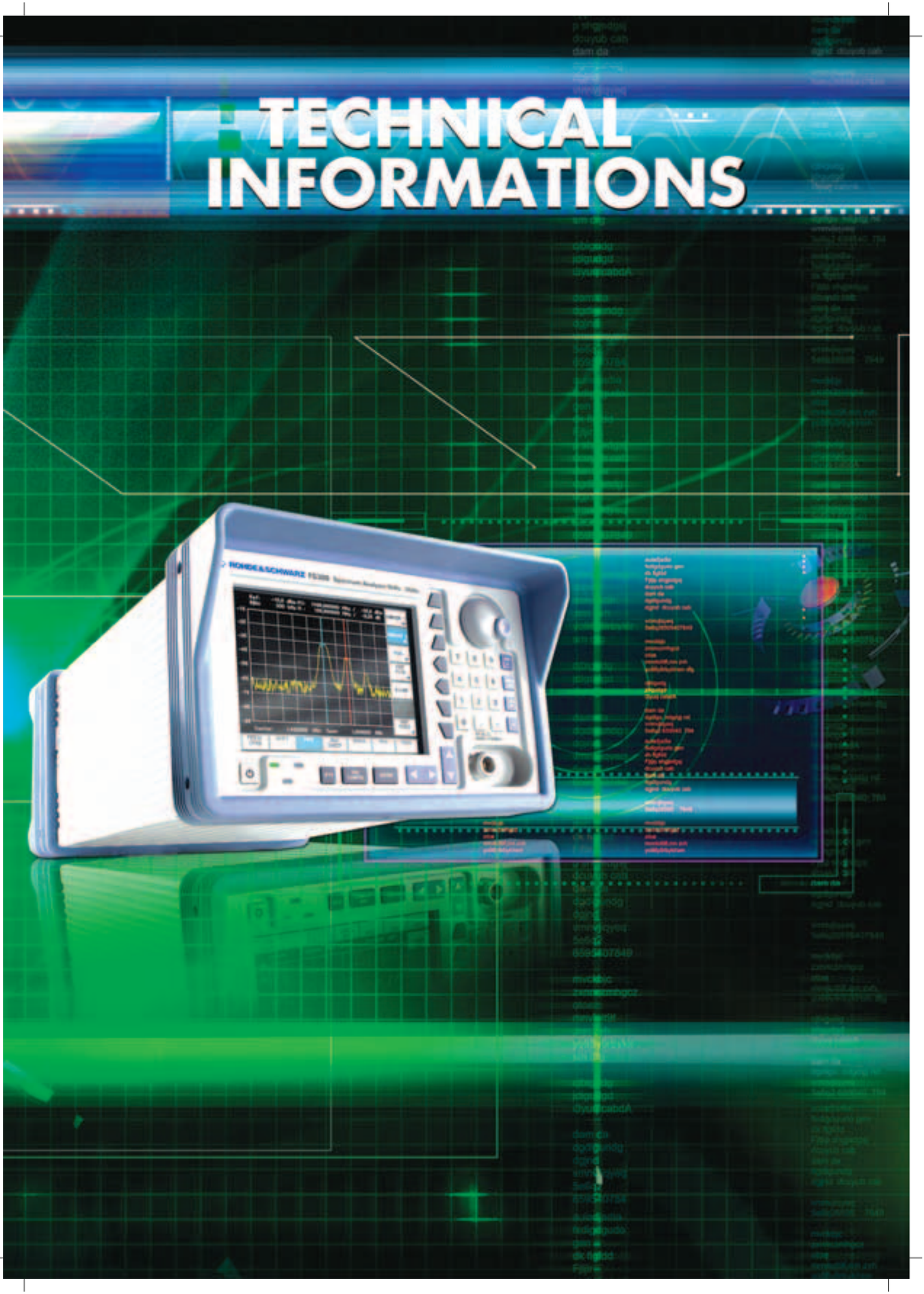
CODE NR	NUMBER OFTRIAD CROSS SECTION	COPPER WEIGHT (kg/km)	INNER SHEATH DIAM.(mm)	OVERALL DIAM. (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
82515020	2X3X1.50	98	13.20	18.00	555	500/1000
82515040	4X3X1.50	191	15.40	20.40	760	500/1000
82515060	6x3X1.50	284	18.60	24.50	1140	500/1000
82515080	8X3X1.50	377	20.20	26.10	1340	500/1000
82515100	10X3X1.50	471	23.90	30.00	1620	500/1000
82515120	12X3X1.50	564	24.80	31.10	1820	500/1000
82515160	16X3X1.50	750	28.10	35.30	2450	500/1000
82515200	20X3X1.50	937	31.30	38.70	2830	500/1000
82515240	24X3X1.50	1123	35.00	42.60	3320	500/1000



INSTRUMENTATION CABLES

ERSE KABLO

TECHNICAL INFORMATIONS



ELECTROMAGNETIC COMPATIBILITY AND CABLES

EMC: Capability of a system or device to maintain its functions (without irreparable electromagnetic failure) in the electromagnetic environment it is present.
Device should not emit undesired EM signals that affect other devices nearby, and at the same time, it should not be affected by undesired signals emitted by the other devices.
Cables that connect devices to each other are amongst the main factors that determine EMC quality. Because cables not only transmit undesired signals from one point to another (conductivity interference) but also emit signals, which travel through them, to the environment like an aerial (radiation interference). Quality of shielding material and cable shield earthing are two basic elements that determine cable performance.

1-SCREENING

Can be defined as isolating two environments from each other in terms of electromagnetic field.
Screening effectiveness (SE, Screening effectiveness, ratio of field intensity in the absence of a screen to field intensity in the presence of a shield) is used as a typical measure of screening.
Its unit of measurement is decibel (dB). High SE means good screening effectiveness.

$$SE(f) = 20 \log 10 [E(f) / E0(f)] \ [dB]$$

Materials to be chosen for screening purposes can be divided into three groups;

1-High-performance materials:
100% covering made of materials like steel, copper and stainless steel
(Screening effectiveness of 80-120 dB)

2-Standard-performance materials:
Conductive metal plates (screening effectiveness of 20-40 dB)

3-Low-performance materials:
Metallized fabric structures, conductive paper materials (conductive polymers),(screening effectiveness of 15-30 dB)
In practice, many problems can be solved by screening effectiveness of 40 dB.
Screening effectiveness of 100-120 dB can be required for military systems.
The values required in specifications for instrument cables, coaxial cables, data transmission cables are around 80- 100 dB.

2-EARTHING

It is defined as either voluntary or involuntary connection of an electric circuit or device to earth (soil potential) or a surface big enough to be a substitute for earth by means of a conductive interconnection.
Earth is accepted as absolute reference (zero volts).
For the earthing to be accomplished in a real sense of a word, all devices must be brought to this absolute zero point.
Some structures that can substitute earth in practice:

- Steel construction buildings
- Vehicle body (car, plane, ship)
- Water pipes
- Earth electrode systems
- Earthing plate, grid, etc.

Direction of screening and earthing are important since cables are generally used to transmit signals between source and load.
Unwanted electric fields are well-screen in a cable which is shielded only on the load side.
However, this is not sufficient for screening the magnetic fields. Electric field shielding is better when earthing is applied on both load and source sides, and by doing so magnetic shielding is obtained as well. (Screening effectiveness increases by 10-20dB)
Magnetic leak is decreased by using twisted pair conductor (by diminishing the area between the conductors and allowing reverse current flows by means of twists).
When earthing is applied on both sides, effective electric and magnetic screening is obtained.

CONDUCTOR

ACCORDING TO IEC 60228; VDE 0295; EN 60228

* SOLID (CLASS 1)
* STRANDED (CLASS 2)
* FLEXIBLE (CLASS 5)

CONDUCTOR STRUCTURE SELECTION CRITERIA

A) FLEXIBILITY

B) CONNECTION TYPE

TYPICAL CONSTRUCTION (NOMINAL)

Conductor Size	Solid mm	Stranded (nominal)	Diam. mm	Flexible (nominal)	Diam. mm
0,50 mm²	1x0,80	7x0,30	0,90	16x0,20	0,90
0,75 mm²	1x0,98	7x0,37	1,1	24x0,20	1,1
1,00 mm²	1x1,13	7x0,43	1,3	32x0,20	1,3
1,30 mm²		7x0,49	1,50		
1,50 mm²	1x1,38	7x0,52	1,6	30x0,25	1,6
2,50 mm²	1x1,76	7x0,67	2,0	50x0,25	2,0

INSULATION MATERIALS

2Y : Polyethylene (PE)

2X : Cross-Linked Polyethylene (XLPE)

Y : Polyvinylchloride PVC

Yw : 105 °C PVC

H : Halogen-Free Insulation (HFFR)

HX : Cross-Linked Halogen-Free Insulation

2G : Silicone

Insulation Materials Selection Criteria

a) Electrical features

b) Thermal resistance

c) Inflammability

d) Connection method

WALL THICKNESS AND ELECTRICAL FEATURES OF INSULATION

Wall thickness of insulation is selected in accordance with the following parameters:

* Operation voltage (300/500 V)
* Mutual Capacity (wires) (nF/km)

- PVC insulation :	With Overall Screened	Max. 130 nF/km
	With Individual and Overall Screened	Max. 170 nF/km
-PE and XLPE insulation :	With Overall Screened	Max. 75 nF/km
	With Individual and Overall Screened	Max. 100 nF/km

-Insulation resistance of insulated cores (mΩXKm)

-PVC insulation : 100 MΩXKm
-SILICONE insulation : 300 MΩXKm
-PE /XLPE insulation : 5000 MΩXKm

CORE COLOUR ENCODING

a) Individually unscreened and overall screened cables
CORE : WHITE - Each core is numbered in order
PAIR : BLACK / WHITE - Each core has same number
TRIPLE : BLACK / WHITE / RED - Each core has same number

b) Individually and overall screened cables
PAIR : In BLACK / WHITE pairs, numbered band
TRIPLE : In BLACK / WHITE / RED triples, numbered band

Note: Core colour encoding is also made in accordance with BS 5308.

CABLE STRUCTURE DEFINITIONS

CORE : Consists of an insulated conductor
PAIR : Consists of a stranded of two cores
TRIPLE : Consists of a stranded of three cores

SCREENING

Screen is used for decreasing or preventing electrical interferences described below.

* Preventing internal electrical interferences caused by adjacent line circuits inside the cable.
* Preventing electrical interferences in the cable caused by external power sources (motors, energy cables, machines running on HF power, HF radio waves).

Methods of decreasing internal electrical mixing and interference

* Stranding of cable pairs and triples with different steps
* Individual screening of cable pairs and triples

The general structure of individual screening is in the following(ISCR)

-Tinned copper earth core with polyester laminated aluminum tape

Types of individual screening are as follows:
PiMF : Pair In Metal Foil (PSCR)
TiMF : Triple In Metal Foil (TSCR)
Methods of decreasing external electrical mixing and interference(OSCR)
* Braid copper wire, polyester laminated Al tape or overall screening made of copper braid is a good option for preventing external electrical interferences.
* In overall screening, materials with high conductivity should be used.

GENERAL SCREENS TYPE (OSCR)
(St) : Polyester laminated aluminium tape + tinned copper drain wire
(C) : Copper wire braid
(St)C : Aluminium tape + tinned
(Cu B) : Copper tape

ARMOURINGS

Cables usually need an additional protection against mechanic effects that may occur during laying and other works. In addition, these armours serve as earthing and screen protectors.
a) Double Steel Tape Armour (SWB)
b) Galvanized Steel Wire Braid (Q / GSWB)
c) Galvanized Steel Wire Armour(SWA)

OUTER SHEATH MATERIAL

2Y : Polyethylene outer sheath
Y : PVC outer sheath
Yö : Hydrocarbon resistant Polyvinylchloride
Yv : Reinforced outer sheath
Yw :105ºC resistant PVC sheath
YY : Double PVC sheath
FRLS: Low smoke PVC sheath (LSF)
H : Halogen-free outer sheath (HFFR /LSZH / LSOH / FRNC)
HX : HFFR cross-linked sheath (HFFR / LSZH /LSOH /FRNC /Resistant to oils and hydrocarbons)

COLOURS PREFERRED FOR OUTER SHEATHS

BLACK : The best UV resistance
BLUE : In EX-PROOF connections
GREY : Indoor applications
ORANGE : Fire resistant applications

OTHER PROPERTIES
CI :FIRE RESISTAND
-fl :FLAME RETARDANT (IEC 60332-3-24)
RE :Instrument cable

BS-5308 PART-1 MULTIPAIR COLOUR CODE

1-Indentification of not individually pairs

Two-pair unscrened or overall screened cable are colour coded in clockwise order of rotation black, blue, green, brown

All other cables up to 50 pairs conform to the coding of following table :

PAIR NO	A WIRE	B WIRE	PAIR NO	A WIRE	B WIRE
1	BLACK	BLUE	26	WHITE	YELLOW
2	BLACK	GREEN	27	RED	YELLOW
3	BLUE	GREEN	28	ORANGE	YELLOW
4	BLACK	BROWN	29	BLACK	GREY
5	BLUE	BROWN	30	BLUE	GREY
6	GREEN	BROWN	31	GREEN	GREY
7	BLACK	WHITE	32	BROWN	GREY
8	BLUE	WHITE	33	WHITE	GREY
9	GREEN	WHITE	34	RED	GREY
10	BROWN	WHITE	35	ORANGE	GREY
11	BLACK	RED	36	YELLOW	GREY
12	BLUE	RED	37	BLACK	VIOLET
13	GREEN	RED	38	BLUE	VIOLET
14	BROWN	RED	39	GREEN	VIOLET
15	WHITE	RED	40	BROWN	VIOLET
16	BLACK	ORANGE	41	WHITE	VIOLET
17	BLUE	ORANGE	42	RED	VIOLET
18	GREEN	ORANGE	43	ORANGE	VIOLET
19	BROWN	ORANGE	44	YELLOW	VIOLET
20	WHITE	ORANGE	45	GREY	VIOLET
21	RED	ORANGE	46	BLACK	TURQUOISE
22	BLACK	YELLOW	47	BLUE	TURQUOISE
23	BLUE	YELLOW	48	GREEN	TURQUOISE
24	GREEN	YELLOW	49	BROWN	TURQUOISE
25	BROWN	YELLOW	50	WHITE	TURQUOISE
4 WIRE	**BLACK-BLUE-GREEN-BROWN**				

2-Indentification of screned pairs

- Screened pairs are identified by a numbered tape under the separator tapes of the pair screens
- Each pair has one black and one blue core

BS-5308 PART-2 MULTIPAIR COLOUR CODE

1-Identification fo not individually screened pairs

Two-pair unscreened or overall screened cables
shall be cabled in quad formation and color in clock jise order of totation: blue, green, orange, brown

All other cables up to 50 pairs conform to the coding of following table :

PAIR NO	A WIRE	B WIRE	PAIR NO	A WIRE	B WIRE
1	WHITE	BLUE	26	RED/BLUE	BLUE
2	WHITE	ORANGE	27	RED/BLUE	ORANGE
3	WHITE	GREEN	28	RED/BLUE	GREEN
4	WHITE	BROWN	29	RED/BLUE	BROWN
5	WHITE	GREY	30	RED/BLUE	GREY
6	RED	BLUE	31	BLUE/BLACK	BLUE
7	RED	ORANGE	32	BLUE/BLACK	ORANGE
8	RED	GREEN	33	BLUE/BLACK	GREEN
9	GREEN	BROWN	34	BLUE/BLACK	BROWN
10	RED	GREEN	35	BLUE/BLACK	GREY
11	BLACK	BLUE	36	YELLOW/BLUE	BLUE
12	BLACK	ORANGE	37	YELLOW/BLUE	ORANGE
13	BLACK	GREEN	38	YELLOW/BLUE	GREEN
14	BLACK	BROWN	39	YELLOW/BLUE	BROWN
15	BLACK	GREY	40	YELLOW/BLUE	GREY
16	YELLOW	BLUE	41	WHITE/ORANGE	BLUE
17	YELLOW	ORAGNE	42	WHITE/ORANGE	ORANGE
18	YELLOW	GREEN	43	WHITE/ORANGE	GREEN
19	YELLOW	BROWN	44	WHITE/ORANGE	BROWN
20	YELLOW	GREY	45	WHITE/ORANGE	GREY
21	WHITE / BLUE	BLUE	46	ORANGE/RED	BLUE
22	WHITE / BLUE	ORANGE	47	ORANGE/RED	ORANGE
23	WHITE / BLUE	YELLOW	48	ORANGE/RED	GREEN
24	WHITE / BLUE	BROWN	49	ORANGE/RED	BROWN
25	WHITE / BLUE	GREY	50	ORANGE/RED	GREY

4 WIRE	BLUE - GREEN - ORANGE -BROWN

2-Identification of individually screned pairs

- Screened pairs are identified by numbered
tape under the separator tapes of pair screens
-Each pair has one white and one blue core.

3-Indentification of cores

Core 1 to 40 : Yellow with black printed number.
Core 41 to 80 : Black with yellow printed number

CONSTRUCTION OF THE COPPER WIRE CONDUCTOR / IEC 60228 ; EN 60228 ; VDE 0295

Cross Section	Stranded Wire Round Conductor Vde 0295 Class 2 Column 1	Multi Stranded Wires Standard Construction Column 2	Fine Stranded Wires VDE 0295 Class 6 Column 4	Extra stranded fine wires			
				VDE 0295 Class 6 Column 4	Standard construction		
					Column 5	Column 6	Column 7
0,035	-	7x0,08	-	-	-	-	-
0,05	-		-	-		14x0,07	26x0,05
0,08	-		-	-	-	-	
0,09	-		-	-	7x0,124	24x0,07	-
0,14	-	-	18x0,10	18x0,10	18x0,10	36x0,07	72x0,05
0,25	-	-	14x0,15	32x0,10	32x0,10	65x0,07	128x0,05
0,34	-	7x0,25	19x0,15	42x0,10	42x0,10	88x0,07	174x0,05
0,38	-	7x0,27	12x0,20	21x0,15	48x0,10	100x0,07	194x0,05
0,5	7x0,30	7x0,30	16x0,20	28x0,15	64x0,10	131x0,07	256x0,05
0,75	7x0,37	7x0,37	24x0,20	42x0,15	96x0,10	195x0,07	384x0,05
1,0	7x0,43	7x0,43	32x0,20	56x0,15	128x0,10	260x0,07	512x0,05
1,5	7x0,52	7x0,52	30x0,25	84x0,15	192x0,10	392x0,07	768x0,05
2,5	7x0,67	19x0,41	50x0,25	140x0,15	320x0,10	615x0,07	128x0,05
4	7x0,85	19x0,52	56x0,30	224x0,15	512x0,10	1040x0,07	-
6	7x1,05	19x0,64	84x0,30	192x0,20	768x0,10	1560x0,07	-
10	7x1,35	49x0,51	80x0,40	320x0,20	128x0,10	2600x0,07	-
16	7x1,70	49x0,65	128x0,40	512x0,20	2048x0,10	4116x0,07	-
25	7x2,13	84x0,62	200x0,40	800x0,20	3200x0,10	6370x0,07	-
35	7x2,52	133x0,58	280x0x40	1120x0,40	4410x0,10	9100x0,07	-
50	7x1,83	113x0,69	400x0,40	705x0,30	-	-	-
70	7x2,17	189x0,69	365x0,50	990x0,30	-	-	-
95	7x2,52	259x0,69	485x0,50	1340x0,30	-	-	-
120	7x2,03	336x0,67	614x0,50	169x0,30	-	-	-
150	7x2,27	392x0,69	765x0,50	2123x0,30	-	-	-
185	7x2,52	494x0,69	944x0,50	1470x0,40	-	-	-
240	7x2,24	627x0,70	1225x0,0	1905x0,40	-	-	-
300	7x2,50	790x0,70	1530x0,70	2385x0,40	-	-	-
400	7x2,89	-	2034x0,50	-	-	-	-
500	7x3,23	-	1768x0,60	-	-	-	-
630	7x2,97	2228x0,60	-	-	-	-	-

CONDUCTOR RESISTANCE VALUES ACCORDING TO VDE 0295 EN 60228/IEC 60228

Conductor Dimension	Power cables and wires						Welding cables	
	Copper conductors				Aluminium Conductors		Copper conductors	
Nominal Cross Section mm	Tinned wires Class 1 Class 2 Ω/km	Tinned wires Class 5 Class 6 Ω/km	Plain wires Class 1 Class 2 Ω/km	Plain wires Class 5 Class 6 Ω/km	Plain wires Class 1 Ω/km	Plain wires Class 2 Ω/km	Plain Wires Ω/km	Tinned Wires Ω/km
0,05	-	~380,0	-	~360,0	-	-	-	-
0,08	-	~240,0	-	~230,0	-	-	-	-
0,09	-	~230,0	-	~215,0	-	-	-	-
0,14	-	~140,0	-	~138,0	-	-	-	-
0,2	-	~96,8	-	~95,0	-	-	-	-
0,25	-	~79,3	-	~7,8	-	-	-	-
0,34	-	~57,1	-	~56,0	-	-	-	-
0,5	36,7	40,1	36,0	39,0	-	-	-	-
0,75	24,8	26,7	24,5	26,0	-	-	-	-
1,0	18,2	20,0	18,1	19,5	-	-	-	-
1,5	12,2	13,7	12,1	13,3	-	-	-	-
2,5	7,56	8,21	7,41	7,98	-	-	-	-
4,0	4,70	5,09	4,61	4,95	-	-	-	-
10,0	1,84	1,5	1,83	1,91	-	-	-	-
16,0	1,16	1,24	1,15	1,21	-	1,91	1,16	1,19
25,0	0,734	0,795	0,727	0,780	1,20	1,20	0,758	0,780
35,0	0,529	0,565	0,524	0,554	0,868	0,868	0,536	0,552
50,0	0,391	0,393	0,387	0,386	0,641	0,641	0,379	0,391
70,0	0,270	0,277	0,268	0,272	0,443	0,443	0,268	0,276
95,0	0,195	0,210	0,193	0,206	0,320	0,320	0,198	0,204
120,0	0,154	0,164	0,153	0,161	0,253	0,253	0,155	0,159
150,0	0,126	0,132	0,124	0,129	0,206	0,206	0,125	0,129
185,0	0,126	0,108	0,0991	0,106	0,164	0,164	0,102	0,105
240,0	0,0762	0,0817	0,0754	0,0801	0,125	0,125	-	-
300,0	0,0607	0,0654	0,0601	0,0641	0,100	0,100	-	-
400,0	0,0475	0,0495	0,0470	0,0486	-	0,0778	-	-
500,0	0,0369	0,0391	0,0366	0,0384	-	0,0605	-	-
630,0	0,0292	0,0292	0,0283	0,287	-	0,0469	-	-

AWG
AMERICAN WIRE GAUGE (SOLID COPPER WIRES)

CLASS CONDUCTOR (AWG)	CROSS SECTIONAL mm^2	NOMINAL DIAMETER OF CONDUCTTOR mm	NOMINAL WEGHT kg/km	WIRE RESISTANCE (ohm km) 20°C
40	0,0049	0,079	0,0433	3540
39	0,0062	0,089	0,0552	2780
38	0,0081	0,102	0,0720	2130
37	0,0103	0,114	0,0912	1680
36	0,0127	0,127	0,113	1360
35	0,0159	0,142	1,141	1080
34	0,0201	0,16	0,179	857
33	0,0255	0,18	0,228	675
32	0,0324	0,203	0,289	532
31	0,0401	0,226	0,357	430
30	0,0507	0,254	0,451	340
29	0,0649	0,287	0,576	266
28	0,0806	0,32	0,716	214
27	0,102	0,361	0,908	169
26	0,128	0,404	1,14	135
25	0,162	0,455	1,44	106
24	0,205	0,511	1,82	84,2
23	0,259	0,574	2,31	66,6
22	0,324	0,643	2,89	53,2
21	0,411	0,724	3,66	41,9
20	0,519	0,813	4,61	33,2
19	0,653	0,912	5,8	26,4
18	0,823	1,02	7,32	21,0
18	0,897	1,22	8,26	21,2
17	1,04	1,15	9,24	16,6
16	1,31	1,29	11,6	13,6
16	1,31	1,47	11,8	13,6
14	2,08	1,63	18,5	8,28
14	2,08	1,85	18,9	8,56
12	3,31	2,052	29,5	5,21
12	3,3	2,052	30,1	5,38
12	3,08	1,99	28,9	5,59
10	5,26	2,59	46,8	3,28

AMERICAN WIRE GAUGE (STRANDED COPPER WIRE)

GAUGE (AWG)	STRANDING (NOM. AWG)	APPROX OD.		CROSS-SECTION mm²	WEIGHT kg/km	WIRE RESISTANCE (ohm km) 20°C
		INCHES	mm			
36	7x44	0.006	0.152	0.014	0.249	1360.6
34	7x42	0.075	0.191	0.022	0.397	856.0
32	7x40	0.0093	0.236	0.034	0.639	538.4
32	19x44	0.010	0.254	0.035	0.639	538.4
30	7x38	0.012	0.305	0.057	0.997	367.4
30	19x42	0.012	0.305	0.059	0.997	367.4
28	7x36	0.015	0.381	0.089	1.588	232.0
28	19x40	0.016	0.406	0.090	1.588	232.0
27	7x35	0.017	0.432	0.110	2.014	182.4
26	7x34	0.019	0.483	0.141	2.526	145.6
26	10x36	0.021	0.533	0.126	2.526	145.6
26	19x38	0.020	0.508	0.155	2.526	145.6
24	7x32	0.024	0.610	0.227	4.032	90.8
24	10x34	0.024	0.610	0.200	4.032	90.8
24	19x36	0.024	0.610	0.240	4.032	90.8
24	42x40	0.023	0.584	0.205	4.032	90.8
22	7x30	0.030	0.762	0.355	6.388	57.4
22	19x34	0.031	0.787	0.382	6.388	57.4
22	26x36	0.030	0.762	0.330	6.338	57.4
20	7x28	0.038	0.965	0.563	10.191	35.7
20	10x30	0.037	0.940	0.506	10.181	35.7
20	19x32	0.037	0.940	0.614	10.181	35.7
20	26x34	0.036	0.914	0.522	10.181	35.7
20	42x36	0.038	1.965	0.531	10.181	35.7
18	7x26	0.048	1.22	0.897	16.175	22.7
18	16x30	0.047	1.19	0.810	16.175	22.7
18	19x30	0.049	1.24	0.963	16.175	22.7
18	42x34	0.047	1.19	0.844	16.175	22.7
18	65x36	0.047	1.19	0.822	16.175	22.7
16	7x24	0.060	1.52	1.430	25.756	14.2
16	19x29	0.058	1.47	1.228	25.756	14.2
16	26x30	0.059	1.50	1.316	25.756	14.2
16	65x34	0.059	1.50	1.306	25.756	14.2
16	105x36	0.059	1.50	1.329	25.756	14.2
14	7x22	0.076	1.93	2.271	41.012	8.95
14	19x26	0.071	1.80	2.434	41.012	8.95
14	42x30	0.075	1.91	2.127	41.012	8.95
14	105x34	0.075	1.91	2.110	41.012	8.95
12	7x20	0.096	2.44	3.360	61.160	5.61
12	19x25	0.093	2.36	3.087	61.160	5.61
12	65x30	0.095	2.41	3.291	61.160	5.61
12	165x34	0.095	2.41	3.315	103.613	3.54
10	37x26	0.115	2.92	4.740	103.613	3.54
10	65x28	0.120	3.05	5.224	103.613	3.54
10	105x30	0.118	3.00	5.317	103.613	3.54

COMPARISON OF FIRE TEST

EN, IEC, DIN VDE and BS

FLAME RETARDANCE

EN	PART	CLAUSE	TITEL	IEC	BS	DIN VDE
60332			Test for resıstance to vertical flame propagation for a single insulated condutor or cable	60332 part...	... EN 60332	0482 part...
	1	2	Procedures: 1kW-pre-mixed flame	1-2	1-2	332-2-1
	2	2	Procedures : Diffusion	2-2	2-2	332-2-2

EN	PART	CLAUSE	TITEL	IEC	BS	DIN VDE
EN 50266			Test for resistance to vertical flame propagation for bunched insulated condutor or cable	60332-3	EN 50266...	0482 part...
	2	1	Categori A F/R	3-21	2-1	266-2-1
	2	2	Categori A	3-22	2-2	266-2-2
	2	3	Categori B	3-23	2-3	266-2-3
	2	4	Categori C	3-24	2-4	266-2-4
	2	5	Categori D	3-25	2-5	266-2-5

ZERO HALOGEN / CORROSIVINESS OF COMBUSTION GASSES

EN	PART	CLAUSE	TITEL	IEC	BS	DIN VDE
50267			Tests on gases evolved during combustion of materials from cables	60754 part...	EN 50267	0482 part...
	2	1	Procedures :Determination of the amount of halogen acid gas	1	267-2-1	267-2-1
	2	2	Procedures: Determination of degree of acidity of gases for materials by measuring pH and conductivitiy	2(Amdm.1)	267-2-2	267-2-2
	2	3	Procedures: Determination of degree of acidity of gasses for cables by determination of the weigthhed avaerage of pH and conductivity	2	267-2-3	267-2-3

SMOKE DENSITY

EN	PART	CLAUSE	TITEL	IEC	DIN VDE (OLD)	DIN VDE (LATEST)
61034			Measurement of smoke density of cables buming under defined conditions	61034 part...	EN 61034	0482 part...
	2		Procedures	2	2	1034-2

FIRE PERFORMANCE TESTS STANDARDS OF INSTRUMEN CABLES

Circuit integrity and fire resistant (CI)

a) IEC 60331-21/23
b) EN 50200/BS EN 50200/VDE 0482-200

Fire retardance test on cable bundles

a) IEC 60332-3-24 (CATEGORY C)
b) BS EN 50266-2-4
c) VDE 0482-266-2-4
D) EN 50266-2-4

Flame retardance test on single cables or single insulated cores

a) IEC 60332-1-2
b) BS EN 60332-1-2
c) VDE 0482-332-1-2
D) EN 60332-1-2

Smoke density test

a) IEC 61034-2
b) BS EN 61034-2
c) VDE 0482-1034-2
D) EN 61034-2

Corrosivitiy of combustion gases

a) IEC 60754-2
b) BS EN 50267-2-3
c) VDE 0482-267-2-3
d) EN 50267-2-3

Halogen-free test

a) IEC 60754-1
b) EN 50267-2-1
c) BS EN 50267-2-1
d) VDE 0482-267-2-1

BASIC STANDARDS IN PRODUCTION OF INSTRUMENT CABLES

- EN 50288-7
- BS 5308-1
- BS 5308-2

INSULATION AND SHEATH MATERIAL STANDARDS OF INSTRUMENT CABLES

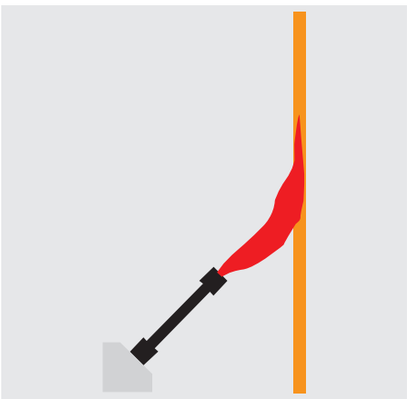
-EN 50290-2-21 PVC INSULATION/EN 50290-2-22 PVC SHEATH
-EN 50290-2-23 POLYETHLENE INSULATION/EN 50290-2-24 POLYETHLENE SHEATH
-EN 50290-2-29 XLPE INSULATION
-EN 50290-2-27 HFFR SHEATH
-EN 50363-1 SILICONE INSULATION

PERFORMANCE TEST

1) IEC 332-1, VDE 0482-332-1-2, EN 60332-1-2, BS EN 60332-1-2
TEST FOR RESISTANCE TO VERTICAL FLAME DIFFUSION OF A SINGLE INSULATED CONDUCTOR OR CABLE 1 KW PRE-MIXED FLAME

A sample cable of 600 mm will be fixed vertically in a metal chamber with exposed front side. A propane gas burner will be mounted in order to obtain a 45 ° angle with axis of the sample cable. The test time is dependent on the cable diameter. If the sample does not burn, or if the flame extinguishes on its own, the test shall be deemed as successful.

IEC 60332-1

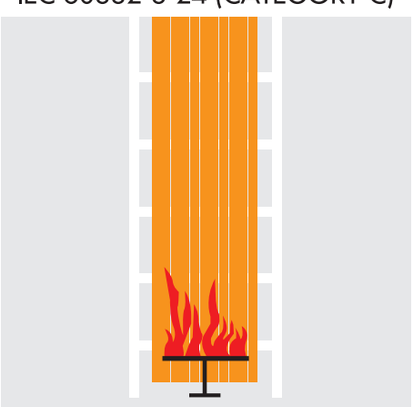


OUTER DIAMETER mm	FLAME DURATION sec
D<25	60
25<D<50	120
50<D<75	240
D>75	480

2) IEC 60332-3-24, VDE 0482-266-2-4, EN 50266-2-4, BS EN 50266-2-4
TEST FOR VERTICAL FLAME DIFFUSION ON VERTICALLY FIXED WIRE OR CABLE BUNDLES

The test samples are mounted on a steel ladder. The number of samples will be determined depending on the outer diameter. The steel ladder is placed on the rear part of a test chamber having a width of 1 m, a depth of 2 m and a height of 4 m. The test chamber should be ventilated by an air vent. The test flame is applied on the sample cable for 20 min. The test is passed if the flames extinguish on their own and no part of the samples is damaged over a length of 2.5 m.

IEC 60332-3-24 (CATEGORY C)

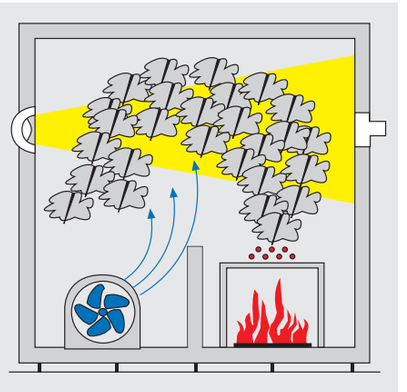


PERFORMANCE TESTS

3) IEC 61034, VDE 0482-1034-2, EN 61034-2, BS EN 61034-2
MEASUREMENT OF SMOKE DENSITY OF CABLES BURNT UNDER CERTAIN CONDITIONS

The volume of test chamber is 3 m^3. The measurement system consists of a light source (a standard 100 W halogen lamp) and a Selenium or Silicon photo-electric cell, both installed at a height of 2.15 m. A rectangular tray will be filled with alcohol. A ventilator is used to ensure the distribution of smoke. The length of the test samples is 1 m. The number of test samples depends on the outer diameter. The samples should be attached horizontally above the tray which is filled with alcohol. The ventilator is started and the alcohol is ignited. Light intensity is recorded by a plotter which is connected to the photocell. The test is passed if the level of light transmission does not exceed the values given in the following table during the test.

IEC 61034-2



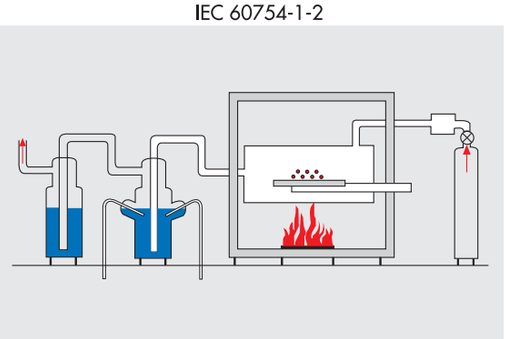
OUTER DIAMETER mm	NUMBER OF SAMPLE	LIGHT TRANSMISSION
<40	1	>70%
<20<40	2	>60%
>10<20	3	>60%

4) IEC 60754-1-2, VDE 0482-267-2-1; 2 and 3, EN 50267-2-1; 2 and 3, BS EN 50267-2-1; 2 and 3

DETERMINATION OF HALOGEN ACID GAS, MEASUREMENT OF pH AND CONDUCTIVITY

This test indirectly allows measuring emission of corrosive gas by insulation and sheathing compounds. It is possible to measure small quantities of halogens during measurement of the pH-value and the conductivity. In a 500-600 mm long furnace, at least 1 g of insulating or sheathing compound should be heated up to a temperature of 935°C. Air flow will ensure that combustion gases pass through a bottle filled with purified water. The test is passed if the pH-value is lower than 4.3 and the electrical conductivity does not exceed 10 NS/mm.

IEC 60754-1-2



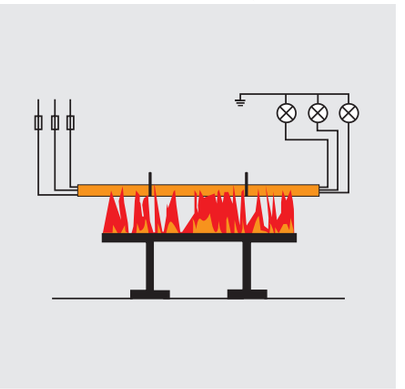
PERFORMANCE TESTS

5) IEC 60331-21/23

TEST ON INSULATION INTEGRITY

This test determines insulation integrity under fire conditions. Cables which are tested according to these standards are marked as FE 180.
1.2 m long sample cable suitable for electrical connection, having outer sheath and other jackets, which are removed at both ends. The prepared sample will be fixed horizontally about 75 mm above the burner.The samples will be connected (one 2 A fuse for each conductor) to a voltage source and will be tested with their rated voltage. Shields and other metal sheaths will be connected together and earthed. The end of a conductor, which is opposite to the voltage source, is slightly curled in order to prevent electrical contact. The burner is ignited and heated up to a temperature of at least 750 °C by means of a thermocouple. The sample will be connected to electrical supply and placed into the flames. The sample will be tested during a period of 180. If none of the 2 A fuses has blown during the test period, the test is passed.

IEC 60331-21/23



6) EN 50200, VDE 0482-200, BS EN 50200, BS 8434-1, BS 8434-2

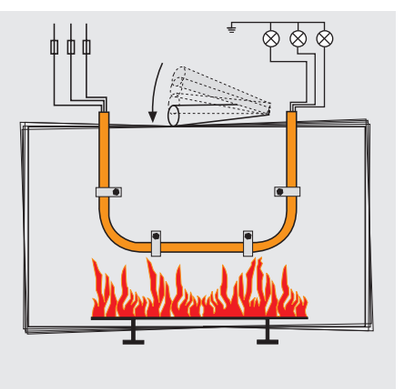
SPECIFICATION FOR PERFORMANCE REQUIREMENTS FOR CABLES REQUIRED TO MAINTAIN CIRCUIT INTEGRITY UNDER FIRE CONDITIONS

This test is applied to cables having resident fire retardant properties used in emergency circuits such as alarm, lighting and communication.

A single piece of cable is attached to a special fibre glass wall with cable at the minimum bending radius. It is burned with the 840°C propane burner. The rated tension values of the cable are applied on the conductors during the test. Every five minutes a mechanical shock of 25 kg is applied to the wall the cable is attached to. The tension values must be preserved during the test.

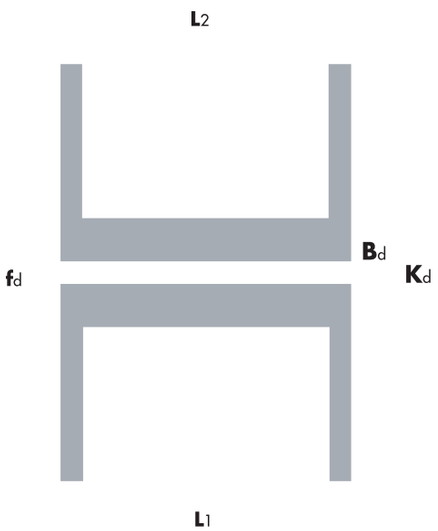
Cable resistance durations in terms of minutes are quoted as PH 15, PH 30, PH 60, PH 90,PH 120 ranges

EN 50200



MAX.CARRYING CAPACITANCE OF DRUMS DEPEND ON OUTER DIAMETER OF CABLES

Cable D mm	MD 40	MD 50	MD 60	60	70	80	90	100	120	140	160	180	200
6	420	735	1070	1110	2024	2755							
7	310	540	780	840	1480	2340	2730						
8	235	430	590	640	1064	1463							
9	185	335	465	470	890	1152	2202	2866					
10	150	270	385	388	680	980	1768	2349					
11	14	230	330	315	564	760	1404	1910					
12	100	195	270	254	470	643	1206	1540					
13		165	235	238	385	542	1032	1339	2727				
14		140	210	190	360	454	880	1159	2265	2967			
15		130	185	180	300	430	749	1000	1990	2480			
16		115	160	140	239	358	632	860	1756	2205			
17			145	134	228	294	603	736	1545	1960			
18			130	102	218	280	505	705	1355	1737			
19			120	96	172	228	485	599	1184	1535	2227		
20				92	165	220	402	576	1139	1352	2435	2830	
21				90	159	210	387	485	990	1304	2172	2527	
22				65	122	167	315	468	856	1145	1930	2248	
23				62	117	160	304	389	827	999	1870	2172	2954
24				60	113	156	294	377	709	967	1657	1927	2608
25				58	110	150	285	365	688	839	1608	1867	2522
26				56	80	116	226	299	668	814	1420	1650	2218
27					78	113	220	290	567	700	1244	1450	2150
28					76	109	215	282	550	680	1210	1410	1880
29					73	106	209	226	462	663	1180	1370	1826
30					70	103	162	220	450	564	1028	1200	1583
31						76	157	214	438	550	1003	1166	1540
32						74	153	209	428	537	866	1009	1500
33						72	150	204	352	450	846	985	1289
34							146	158	344	440	828	962	1257
35							108	154	336	430	710	824	1227
36							105	150	329	422	692	806	1040
37							103	148	265	348	678	788	1017
38								144	259	340	664	722	994
39								110	254	334	560	653	972
40								105	249	327	549	640	812
41								102	244	264	539	627	795
42								10	190	259	529	615	779
43									187	254	437	510	763
44									183	249	430	502	750
45									180	254	422	492	610
46									177	240	415	484	600
47									174	187	408	475	589
48									130	184	330	386	578
49									127	180	325	380	568
50									125	178	139	373	558
51									123	175	314	367	442
52									120	172	310	360	435
53										170	305	356	428
54										126	230	280	420
55										124	235	276	414
56										122	232	270	408
57										121	228	267	400
58										119	225	263	304
59										117	222	260	300
60											220	256	295
61											216	252	290
62											160	190	287
63											158	187	282
64											156	184	280
65											154	182	275
66											152	180	270
67											150	178	266
68												174	264



Fd = Flange
Kd = Drum-Barrel Diameter
Bd = Bore Diameter
L1 = Width overal
L2 = Width for windings

WOODEN DRUMS (Standard)

Drum Code Number	Flange f_d mm	Drum-Barrel Kd mm	Bore Bd mm	Width Over All L1 mm	Width For Winding L2 mm	Load Bearing Capacitance Max kg	Drum weidthing kg
MD-40	400	200	40	310	250	100	3
MD-50	500	250	45	350	290	150	4
MD-60	600	300	50	350	300	200	5
60	630	315	56	415	315	250	17
70	710	355	80	520	400	250	25
80	800	400	80	520	400	400	31
90	900	450	80	690	560	750	47
100	1000	500	80	710	560	900	71
120	1250	630	80	890	670	1700	144
140	1400	710	80	890	670	2000	175
160	1600	800	80	1100	850	3000	280
180	1800	1000	100	1100	840	4000	380
200	2000	1250	100	1350	1045	5000	550

CONVERSION TABLES

LENGHT	cm.	m.	Km.	Inch (In)	Foot (ft)	Yard (yd)	State Mile	Naut Mile
1 centimeter (cm)	1	0.01	-	0.3937	0.0328	-	-	-
1 meter (m)	100	1	0.001	39.37	3.281	1.094	-	-
1 kilometer (km)	105	1000	1	39370	3281	1094	0.6214	0.5396
1 Inch (in)	2.540	0.254	-	1	0.833	0.0278	-	-
1 foot	30.48	0.3048	-	12	1	0.3333	-	-
1 yard	91.44	0.9144	-	36	3	1	-	-
1 state mile	-	1069	1.609	63346	5280	1760	1	0.8684
1 naut mile	-	1852	1.852	72913	6080	2027	1152	-

AREA	cm^2	m^2	a (Ar)	ha	km^2	in^2	ft^2	$Yard^2$	mil^2	Acre
1 square centimeter (cm^2)	1	0.0001	-	-	-	0.155	-	-	-	-
1 square meter (m^2)	1000	1	0.01	-	-	1550	10.76	1.196	-	-
1 Ar (a)	-	100	1	0.01	-	-	1076	119.6	-	0.0247
1 hectare (ha)	-	1000	100	1	0.01	-	-	0.0039	2.47	-
1 square kilometer (km^2)	-	-	1000	100	1	-	-	-	0.3861	247.1
1 square inch	6.452	-	-	-	-	1	-	-	-	-
1 square foot (ft^2)	929	0.0929	-	-	-	144	1	0.111	-	-
1 square yard	8361	0.8361	-	-	-	1296	9	1	-	-
1 square mile	-	-	-	259	2.59	-	-	-	-	640
1 acre	-	4050	40.5	0.405	-	-	43640	4850	0.0016	1

WEIGHT	gr	kg	Metric ton	ounce	Libre pound	stone	short ton	big ton
1 gram (gr)	1	0.001	-	0.0332	-	-	-	-
1 kilogram (kg)	1000	1	0.001	35.27	2.205	0.157	0.0011	0.00098
1 tone (metric)	-	1000	1	35274	2204.6	157.47	1.1023	0.9842
1 ounce (oz)	28.35	0.028	-	1	0.0625	0.004	-	-
1 libre (lb.)	453.6	0.454	-	16	1	0.071	-	-
1 stone	6530	6.35	0.0064	224	14	1	0.007	0.0063
1 small tone	907.190	907.2	0.907	32000	2000	142.9	1	0.8929
1 big tone	1106050	1016	1.016	35.840	2240	160	1.120	1

VOLUME	cm^3	dm^3 litre	in^3	ft^3	$yard^3$	UK ounce	USA ounce	USA gallon	UK gallon	UK pint
1 cubic centimeter (cm^3)	1	0.001	0.061	-	-	0.038	0.353	-	-	-
1 cubic decimeter(dm^3)	1000	1	61.02	0.035	-	33.81	35.3	0.2462	0.22	1.76
1 cubic inch (in^3)	16.39	0.0164	1	-	-	0.5541	0.5768	-	-	0.0288
1 cubic foot ft^3	-	28.32	1728	1	0.0370	957.5	966.6	7.481	6.232	49.83
1 cubic yard	-	764.6	46656	27	1	25853	26.909	202	168.2	1345
1 ounce (USA)	29.57	0.02296	1.805	-	-	1	1.041	-	-	0.0520
1 ounce (UK)	28.41	0.0284	1.734	-	-	0.9607	1	-	-	0.05
1 galon (USA)	3785	3.785	231	0.1337	-	128	133.2	1	0.8327	6.662
1 galon (UK)	4546	4.546	277.4	0.1603	-	153.7	160	1.201	1	8
1 pint (UK)	568.2	0.5682	34.68	0.02		19.21	20	0.1501	0.125	1

ABBRVIATIONS OF STANDARD ASSOCIATEDS ACCORDING TO COUNTRYES

SHORT NAME	EXPANSION	COUNTRY	SHORT NAME	EXPANSION	COUNTRY
AFNOR	Association Française De Normalisation	France	IEEE	Institue Of Electrical And Electronic Engineers	Uk
ANSI	American National Standards Instutie	Usa	IMQ	Instituto Italiano Del Macho D Qualita	Italy
ASTM	American Standard of Testing Materials	Usa	ISDN	Integraded Services Digital Network	Int.
BASEC	British Approvals Service For Electric Cables	Uk	ISO	International Standard Organisation	Global
BSI(BS)	British Standard Institution	Uk	KEMA	Keurig van Electrotechnische Materialen	Netherlands
BV	Bureau Veritas	France	LCIE	Laboratorie Central des Industries Electriques	France
CATV	Community Antenna Television	Int.	LLOYDS	Lloyds Register Of Shiping	Uk
CEBEC	Comite Electrotechinique Belge	Belgium	LPC	Loss Prevention Council	Uk
CEE	Commission on Rules for the aproval Electrical Equipment	Int.	MESC	Material And Equipment Standardsand Code	Netherlands
CEI	Comitato Electotechnico Belge Italiano	Italy	MIL	United States Millitary Specification	Usa
CEN	European Committ ee For Strdardisation	Ecc	NEC	National Electrical Code	Usa
CENELEC	Comite Europeen De Normalisation Electrotechn gues	Ecc	NEN	Nederlands Normalisatie-Instituut	Netherlands
CNET	Cntre National d"etude de Telecommuication	France	NF	Normes Françaises	France
CNOMO	Comite de Normalisation des Moyens de Production	France	NFC	Normes Françaises Class C	France
CMA	Cable Makers Association	Uk	NEMA	National Electrical Manufacturer Association	Usa
CSA	Canadian Standars Approval	Canada	NEMKO	Norks Electrisk Materiell Controll	Norway
CSTB	Centre Scientifique et Technique du Batiment	France	NP	Portuguese Da Qualidade	Portugal
DEMKO	Denmarks Eletrische Materiel Control	Den.	NSAI	National Standards Author t y Of Irland	Ireland
DIN	Deutches Institute Für Normung	Den.	OCMA	Oil Companies Metarials Asociation	Uk
DKE	Deutsche Elekrotechische Kommission imDIN undVDE	Ger.	ÖVE	Österreichischer Vrband für Electrotechnik	Austr a
ECMC	Electric Cable Makers Confderation	Uk	SEMKO	Sveska Electr ska Materiel Kontrollanstalten	Sweden
ELOT	Hellenic Organisat on For Standardisation	Uk	SETI	Elektriska Inspektoratet	Finland
EIC	Energy Industries Council	Greece	SEV	Schweizerischer Electontechnicher Verein	Switzerland
EN	European Standards	Ger.	SNV	Schweizerricsher Normenverband	Switzerland
ERA	Electrical Research Association	Ger.	TSE	Turkish Standard Institue	Turkey
ESI	Electrocal Supply Industry	Uk	UKOOA	Uk Offshore Operators Association	Uk
FAR	Federal Air Regulation	Usa	UL	Underwiters Laboratories	Usa
FTZ	Fernmedetechnisches Zentralamt	Ger.	UNEL	Unifiazione Electretechnia	Italy
GOST	USRR-Standards	Ussr	UNI	Unificazione Nationale Italiano	Italy
HD	Harmonisierrugs-Dokumate	Int.	USE	Union Techniqe del"electr te(Ute)	French
HN	Harmonization des Normes	France	VDE	Verband Deustcher Elktrotechniker	Ger.
ICEA	Insulated Cable Engineers Assocation	Usa	VDEW	Vereiningung Deuscher Elektrizitatswerke e.V.	Ger.
IEC	International Electrotechnical Commission	Europe	ZVEH	Zentralverband der Deutschen Elektrohandwerke	Ger.
IEE	Institue Of Electrical Engineers	Uk	ZVEI	Zentralverband der Electrotechnic-und Electonic	Ger.

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