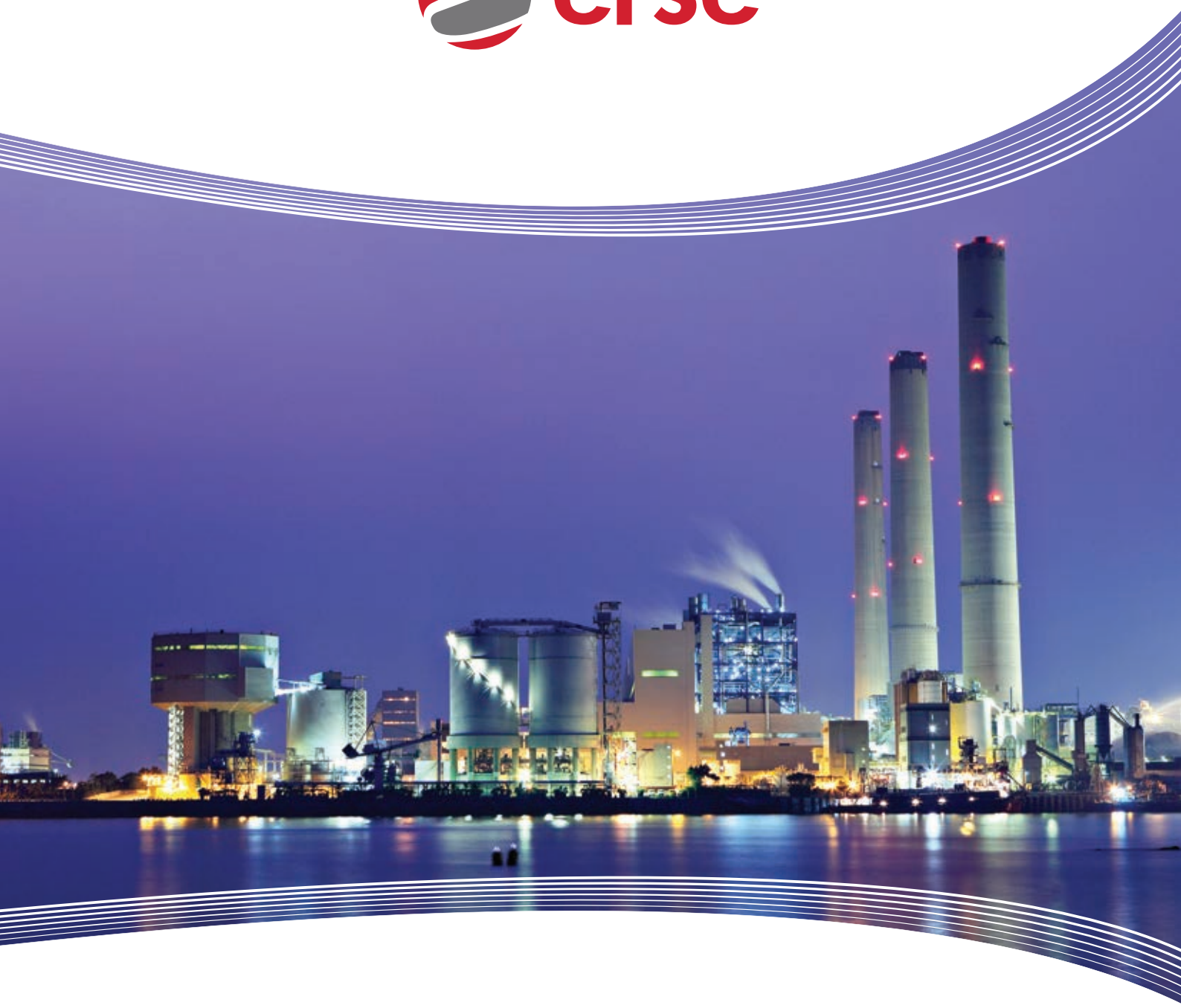
15th ANNIVERSARY

erse



INSTRUMENTATION CABLES


erse
ersekablo.com.tr

INTRODUCTION

Our Dear and Valuable Business Partner,

ERSE , established in 1996, is one of the leading companies of the sector.

We have been serving in the cable sector for 15 years with producing signal-control, data transmission, communication, halogen-free, fire-resistant, instrumentation, silicone and marine cables as well as producing special cables prepared in accordance with the requirements of customers.

Why Erse is a choice for the customers in many major projects in energy, infrastructure and construction sectors locally and internationally , is because we have a customer oriented approach which allows us taking quick actions with our high value added products in compliance with quality standards.

Having the principle of "ERSE quality assurance is all around in transformation and development", we have become solution partners in infrastructure, industry and construction sectors in more than 40 countries in fifteen years. We have also succeeded in contribution to the country's economy with our ongoing export activities.

Among the countries we export are England, Germany, Austria, Hungary, Romania, Bulgaria, Lithuania, Russia, Georgia, Kazakhstan, Egypt, Iraq, Jordan, Qatar, Kuwait, Portugal, Spain, France, Singapore, Malaysia, Korea, Ukraine and Belarus.

Through this period of time, we have not only offered quality products and services with our performance in providing value added services to our solution partners, acting responsibly to the environment, standing firm with regard to quality, investing in technology and people, and being transparent which we adopt as 'Corporate Management Policy', but also maintained our activities in line with our social responsibilities.

Not only growing and making profit , ERSE also considers having Research & Development investments and improving strategies which will secure the future and provide sustainable competitive advantage through a continuous development.

Certified by NQA and VDE, our quality management system is an indicator of our environmental awareness and our principle towards improving the life quality.

In addition to above, our VDE, MPA ABP, GOST-R, FIRE CERTIFICATE (RUSSIA), TURKLOYD, ABS, RINA, BV, LR, RMRS, RoHS, TSEK, and TSE, ISO 9001:2008 quality certificates stand as other supporting items of confidence towards our company and production.

We have combined all of our up-to-now experience and know-how with the technology at our modern facilities.

As ERSE, we carry out our production activities based on national and international standards in a total area of 12.000 m2, 8000 m2 closed. Our R&D and QC Departments are working with a constantly-improving vision in order to establish a customer satisfaction focused production-solution system and to identify customer demands rapidly.

Each stage , from raw material to final product, is supported and monitored with our ERP program within scope of total quality approach, and they are tested with appropriate devices and equipment depending on type of cable produced at our facilities.

In addition, we instantly meet requirements of customers with our unique stock capability in our logistic warehouse of 2.500 m^2.

We would like to thank all of our customers preferring Erse Kablo products for 15 years for their support and confidence, and hope that the catalogue we prepared will be a helpful source for our sector.

Selami SİVRİTEPE – *General Manager*

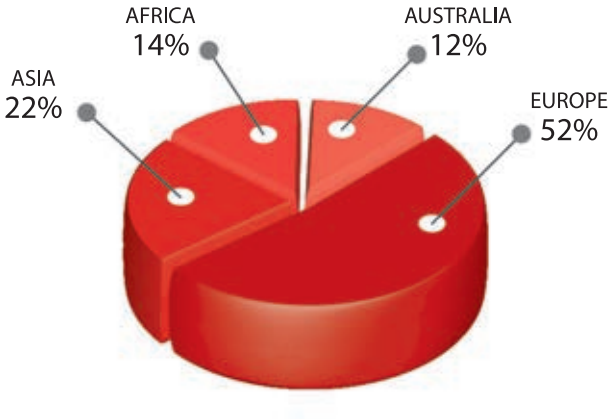
COMPANY FACTS

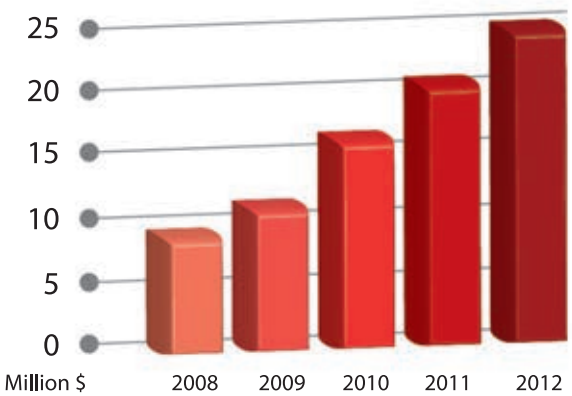
Year of Foundation: 1996
Principal Activities: Production of cables
Trade Names: Erse & Ervital
Area of Expertise: Electric, Marine & Instrumentation Cables
Sector: Electric industry
Products:
-Signal & Control Cables
-Coaxial Cables - CCTV Cables
-Halogen Free Fire Resistant Cables
-Fire Performance Cables
-BS Onshore Cables
-Instrumentation Cables for Oil and Gas
-Silicon Insulated & Sheathed Cables
-Marine Type Cables for Yachts & Boats
-Halogen Free Shipbuilding Cables
-Special Cables according to customer demand
-Standard Fire Alarm & Security Wiring Cables
Licence Agreement: Own license
No. of Employees: 175 (12 Engineer)
Production Capacity: 400 Ton cable / Month
Design and Manufacturing Standards:
IEC–BS–VDE–DIN–UL–EN-TSE

"We aim to excellence in quality"

EXPORT SALES

Erse Kablo products are supplied to over 50 countries; mainly to England, Germany, Belgium, Austria, Hungary, Romania, Bulgaria, Latvia, Lithuania, Russia, Georgia, Kazakhstan, Egypt, Iraq, Jordan, Qatar, Oman, Pakistan, Kuwait, Singapore, Malaysia, Australia and Brasil.





Erse Kablo as one of the main cable producers of Turkey has been growing rapidly thereby increasing her market activity and productivity throughout the years.

QUALITY POLICY

ISO 9001 Quality Assurance systems implemented by our company, which pays great importance to quality and quality continuity in all organizations, has been certified by **NQA & VDE** as of international standards as guides for its products, has certified almost all of its products by receiving **ROSH, REACH, TSE, VDE, RINA, TURK LOYD, LR, BV, ABS, RMRS,GOST & Fire Certificates.** The quality of our product is the key of consumer satisfaction and the ongoing success of our ongoing customer satisfaction and management success. Our company with its constant aim for development, efficient use of resources and environmental friendliness, customer focus and superior service understanding seeks:

-To extend the quality management system beyond the minimum requirements of ISO: 9001:2008
-To anticipate future needs of our customers and to provide production solution system based on customer satisfaction
-To develop and strength quality awareness among our employees through ongoing training, motivation and performance
-To provide highest value, quality and on time delivery at a fair price due to partnership with our suppliers

Our company has certified its respect to consumers with the **"CONSUMER PROTECTION COVENANT"**. Moreover has proved its commitments to such principles by not using raw materials harmful for human health during production and has consolidated its esteem with its environment-friendly identity.

PRODUCTION

For the cable types of product range, Erse Kablo has a production line equipped with modern technology, professional team of experts in their fields in order to meet the standard and custom requests from customers. Each stage of raw material,auxiliary raw material input, the output of the final product within Erse Kablo within the framework of a total quality approach is supported and monitored by ERP program and are tested with devices appropriate to the nature of the cable. Erse Kablo makes the purchase from well known manufacturers and importers of raw materials having quality certified by accredited institutions.

RAW MATERIAL INPUT CONTROLS

Each raw material we use are checked and approved in accordance with the criteria of the Erse Kablo or the national & international standards before making acceptance procedures for goods. We consider our company values and standards for each product of which purchase has been realized, and we return each product to our suppliers if products do not comply with our specification (electrical values, packaging types and amount etc.) and negatively affect our production quality.

PROCESS CONTROLS

Every operation of our products we do follow-up of barcode system (insulation, twist, shielding, sleeving, etc. ..) and control and make tests, and by verifying the suitability we provide the transition to the next operation.

FINAL CONTROL TESTS

All tests and checks are completed for each finished cable within standards and visual checks and approved, prepared concerned test reports and make ready for transportation.



CARIGALI ONSHORE GAS TERMONAL-TURKMENBASHI / TURKMENISTAN

NAJAF POWER PLANT / IRAQ

KAZAKHSTAN-CHINA GAS PIPELINE / KAZAKHISTAN

SOHAR 2 IPP & BARKA 3 IPP / OMAN

PETRONAS CARIGALI URGA OPERATING STATION / UZBEKISTAN

POWER STATION AZ ZOUR EPP 08 / KUWAIT

SHATURA NATURAL GAS POWER PLANT / RUSSIA

ZWITINA NATURAL GAS POWER PLANT / LIBYA

PETROVIETNAM PROJECTS / VIETNAM

OMAN METHANOL COMPANY / OMAN

TÜPRAŞ PROJECTS / TURKEY

MESIMVRIA GAS STATION / GREECE

ARAMCO TOTAL JUBAIL REFINERY / SAUDI ARABIA

GAS LIFT COMPRESSOR STATION / AZERBAIJAN

erse

we are everywhere...

INDEX

RE-Y(St)Y-fl (MULTICORE) CU/PVC/OSCR/PVC....8
RE-Y(St)Y-fl (MULTIPAIR) CU/PVC/OSCR/PVC....10
RE-Y(St)Y-fl PIMF CU/PVC/PSCR/OSCR/PVC....12
RE-Y(St)Y-fl TIMF CU/PVC/TSCR/OSCR/PVC....14
RE-Y(St)YSWAY-fl MULTICORE CU/PVC/OSCR/PVC/ SWA/PVC....16
RE-Y(St)YSWAY-fl (MULTIPAIR) CU/PVC/OSCR/PVC/SWA/PVC....18
RE-Y(St)YSWAY-fl PIMF CU/PVC/PSCR/OSCR/ PVC /SWA/PVC....20
RE-Y(St)YSWAY-fl TIMF CU/PVC/TSCR/OSCR/PVC/SWA/PVC....22
RE-Y(St)YQY-fl MULTIPAIR CU/PVC/OSCR/PVC/GSWB/PVC....24
RE-Y(St)YQY-fl PIMF CU/PVC/PSCR/OSCR/PVC/GSWB/PVC....26
RE-2Y(St)Y-fl (MULTICORE) CU/PE/OSCR/PVC....28
RE-2Y(St)Y-fl (MULTIPAIR) CU/PE/OSCR/PVC....30
RE-2Y(St)Y-fl PIMF CU/PE/PSCR/OSCR/PVC....32
RE-2Y(St)Y-fl TIMF CU/PE/TSCR/OSCR/PVC....34
RE-2Y(St)YSWAY-fl (MULTICORE) CU/PE/OSCR/PVC/SWA/PVC....36
RE-2Y(St)YSWAY-fl (MULTIPAIR) CU/PE/OSCR/PVC/SWA/PVC....38
RE-2Y(St)YSWAY-fl PIMF CU/PE/PSCR/OSCR/PVC/ SWA/PVC....40
RE-2Y(St)YSWAY-fl TIMF CU/PE/TSCR/OSCR/PVC/ SWA/PVC....42
RE-2Y(St)H (MULTICORE) CU/PE/OSCR/LSZH....44
RE-2Y(St)H (MULTIPAIR) CU/PE/OSCR/LSZH....46
RE-2Y(St)H-PIMF CU/PE/PSCR/OSCR/LSZH....48
RE-2Y(St)H-TIMF CU/PE/TSCR/OSCR/LSZH....50
RE-2Y(St)HSWAH (MULTICORE) CU/PE/OSCR/LSZH/SWA/LSZH....52
RE-2Y(St)HSWAH (MULTIPAIR) CU/PE/OSCR/LSZH/SWA/LSZH....54
RE-2Y(St)HSWAH-PIMF CU/PE/PSCR/OSCR/LSZH/ SWA/LSZH....56
RE-2Y(St)HSWAH-TIMF CU/PE/TSCR/OSCR/LSZH/ SWA/LSZH....58
RE-2Y(St)YQY-fl (MULTIPAIR) CU/PE/OSCR/PVC/GSWB/PVC....60
RE-2Y(St)YQY-fl PIMF CU/PE/PSCR/OSCR/PVC/ GSWB/PVC....62
RE-2X(St)Y-fl (MULTICORE) CU/XLPE/OSCR/PVC....64
RE-2X(St)Y-fl (MULTIPAIR) CU/XLPE/OSCR/PVC....66
RE-2X(St)Y-fl PIMF CU/XLPE/PSCR/OSCR/PVC....68

INDEX

RE-2X(St)Y-fl TIMF CU/XLPE/TSCR/OSCR/PVC....70

RE-2X(St)YSWAY-fl (MULTICORE) CU/XLPE/OSCR/PVC/SWA/PVC....72

RE-2X(St)YSWAY-fl (MULTIPAIR) CU/XLPE/OSCR/PVC/SWA/PVC....74

RE-2X(St)YSWAY-fl PIMF CU/XLPE/PSCR/OSCR/PVC/SWA/PVC....76

RE-2X(St)YSWAY-fl TIMF CU/XLPE/TSCR/OSCR/PVC/SWA/PVC....78

RE-2X(St)H (MULTICORE) CU/XLPE/OSCR/LSZH....80

RE-2X(St) H (MULTIPAIR) CU/XLPE/OSCR/LSZH....82

RE-2X(St)H-PIMF CU/XLPE/PSCR/OSCR/LSZH....84

RE-2X(St)H-TIMF CU/XLPE/TSCR/OSCR/LSZH....86

RE-2X(St)HSWAH (MULTICORE) CU/XLPE/OSCR/LSZH/ SWA/LSZH....88

RE-2X(St)HSWAH (MULTIPAIR) CU/XLPE/OSCR/LSZH/ SWA/LSZH....90

RE-2X(St)HSWAH-PIMF CU/XLPE/PSCR/OSCR/ LSZH/SWA/LSZH....92

RE-2X(St)HSWAH-TIMF CU/XLPE/TSCR/OSCR/ LSZH/SWA/LSZH....94

RE-2X(St)H..CI (MULTICORE) CU/MGT+XLPE/OSCR/LSZH..CI....96

RE-2X(St) H..CI (MULTIPAIR) CU/MGT+XLPE/OSCR/LSZH..CI....98

RE-2X(St)H-PIMF..CI CU/MGT+XLPE/PSCR/OSCR/LSZH..CI....100

RE-2X(St)H-TIMF..CI CU/MGT+XLPE/TSCR/OSCR/ LSZH..CI....102

RE-2X(St)HSWAH..CI (MULTICORE) CU/MGT+XLPE/OSCR/ LSZH/SWA/LZSH..CI....104

RE-2X(St)HSWAH..CI (MULTIPAIR) CU/MGT+XLPE/OSCR/LSZH/ SWA/LSZH..CI....106

RE-2X(St)HSWAH-PIMF..CI CU/MGT+XLPE/PSCR/OSCR/ LSZH/ SWA/LSZH..CI....108

RE-2X(St)HSWAH-TIMF..CI CU/MGT+XLPE/TSCR/OSCR/ LSZH/SWA/LSZH..CI....110

RE-2G(St)H..CI (MULTICORE) CU/SI/OSCR/LSZH..CI....112

RE-2G(St)H..CI (MULTIPAIR) CU/SI/OSCR/LSZH..CI....114

RE-2G(St)H-PIMF..CI CU/SI/PSCR/OSCR/LSZH..CI....116

RE-2G(St)H-TIMF..CI CU/SI/TSCR/OSCR/LSZH..CI....118

RE-2G(St)HSWAH..CI (MULTICORE) CU/SI/OSCR/LSZH/ SWA/LSZH..CI....120

RE-2G(St)HSWAH..CI (MULTIPAIR) CU/SI/OSCR/LSZH/ SWA/LSZH..CI....122

RE-2G(St)HSWAH-PIMF..CI CU/SI/PSCR/OSCR/ LSZH/SWA/LSZH..CI....124

RE-2G(St)HSWAH-TIMF..CI CU/SI/TSCR/OSCR/ LSZH/SWA/LSZH..CI....126

TECHNICAL INFORMATION....129

LOGISTICS....148

NOTES....149

RE-Y(St)Y-fl (MULTICORE)

CU/PVC/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED
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

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
6. Gas Stations
7. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	170		IEC 60332-3-24
0,75	24,5		0,75	170	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	170	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	170		BS EN 60332-3-24
2,5	7,41		2,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0	300/500 V.	Cr./Cr.=2000 V Cr./Scrn.=2000 V	7,5 X Cable Ø
0,75	25	0,75	13			
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

RE-Y(St)Y-fl (MULTICORE)

CU/PVC/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372050020	2 x 0,50	5,60	14	45	500/1000
372050030	3 x 0,50	5,80	18	50	500/1000
372050040	4 x 0,50	6,30	23	58	500/1000
372050050	5 x 0,50	6,90	28	68	500/1000
372050060	6 x 0,50	7,40	32	78	500/1000
372050070	7 x 0,50	7,40	37	84	500/1000
372050100	10 x 0,50	9,40	51	115	500/1000
372050120	12 x 0,50	9,60	60	135	500/1000
372050190	19 x 0,50	11,50	115	201	500/1000
372050240	24 x 0,50	13,20	144	248	500/1000
372075020	2 x 0,75	6,00	19	50	500/1000
372075030	3 x 0,75	6,20	26	59	500/1000
372075040	4 x 0,75	6,60	33	72	500/1000
372075050	5 x 0,75	7,30	40	87	500/1000
372075060	6 x 0,75	7,90	47	102	500/1000
372075070	7 x 0,75	7,90	54	109	500/1000
372075100	10 x 0,75	10,10	75	152	500/1000
372075120	12 x 0,75	10,40	89	173	500/1000
372075190	19 x 0,75	12,30	138	260	500/1000
372075240	24 x 0,75	14,40	173	328	500/1000
372001020	2 x 1	6,40	23	58	500/1000
372001030	3 x 1	6,70	32	70	500/1000
372001040	4 x 1	7,20	41	88	500/1000
372001050	5 x 1	7,40	50	98	500/1000
372001060	6 x 1	8,70	60	121	500/1000
372001070	7 x 1	8,70	69	130	500/1000
372001100	10 x 1	11,10	97	192	500/1000
372001120	12 x 1	11,50	115	220	500/1000
372001190	19 x 1	13,40	180	322	500/1000
372001240	24 x 1	15,70	225	405	500/1000
372015020	2 x 1,5	7,00	33	70	500/1000
372015030	3 x 1,5	7,40	47	91	500/1000
372015040	4 x 1,5	8,00	61	111	500/1000
372015050	5 x 1,5	9,00	76	137	500/1000
372015060	6 x 1,5	9,70	90	165	500/1000
372015070	7 x 1,5	9,70	104	179	500/1000
372015100	10 x 1,5	12,40	147	253	500/1000
372015120	12 x 1,5	12,80	175	292	500/1000
372015190	19 x 1,5	15,10	274	445	500/1000
372015240	24 x 1,5	17,80	345	556	500/1000
372025020	2 x 2,5	8,50	49	100	500/1000
372025030	3 x 2,5	8,80	71	130	500/1000
372025040	4 x 2,5	9,60	93	163	500/1000
372025050	5 x 2,5	10,60	115	200	500/1000
372025060	6 x 2,5	11,70	137	243	500/1000
372025070	7 x 2,5	11,70	159	265	500/1000
372025100	10 x 2,5	15,00	225	374	500/1000
372025120	12 x 2,5	15,40	267	433	500/1000
372025190	19 x 2,5	18,30	423	665	500/1000
372025240	24 x 2,5	21,50	533	830	500/1000

RE-Y(St)Y-fl (MULTIPAIR)

CU/PVC/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

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
6. Gas Stations
7. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	120		IEC 60332-3-24
0,75	24,5		0,75	120	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	120	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	130		BS EN 60332-3-24
1,5	12,1		1,5	130		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

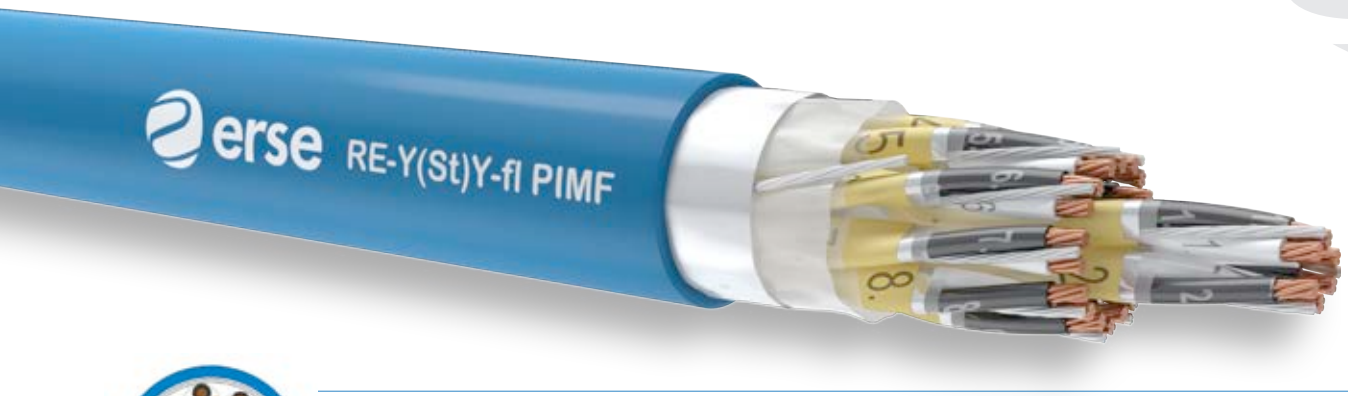
RE-Y(St)Y-fl (MULTIPAIR)

CU/PVC/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372150010	1 x 2 x 0,50	5,60	14	45	500/1000
372150020	2 x 2 x 0,50	8,20	23	60	500/1000
372150040	4 x 2 x 0,50	9,40	42	100	500/1000
372150060	6 x 2 x 0,50	11,20	60	160	500/1000
372150080	8 x 2 x 0,50	12,30	78	186	500/1000
372150100	10 x 2 x 0,50	14,00	97	231	500/1000
372150120	12 x 2 x 0,50	14,30	115	263	500/1000
372150160	16 x 2 x 0,50	16,40	152	346	500/1000
372150200	20 x 2 x 0,50	18,30	189	414	500/1000
372150240	24 x 2 x 0,50	19,90	225	492	500/1000
372175010	1 x 2 x 0,75	6,00	19	50	500/1000
372175020	2 x 2 x 0,75	9,00	33	80	500/1000
372175040	4 x 2 x 0,75	10,20	60	120	500/1000
372175060	6 x 2 x 0,75	12,20	88	201	500/1000
372175080	8 x 2 x 0,75	13,60	117	242	500/1000
372175100	10 x 2 x 0,75	15,30	144	292	500/1000
372175120	12 x 2 x 0,75	15,80	173	334	500/1000
372175160	16 x 2 x 0,75	18,00	229	442	500/1000
372175200	20 x 2 x 0,75	20,20	285	540	500/1000
372175240	24 x 2 x 0,75	22,00	340	642	500/1000
372101010	1 x 2 x 1	6,40	23	58	500/1000
372101020	2 x 2 x 1	9,20	41	100	500/1000
372101040	4 x 2 x 1	11,00	77	164	500/1000
372101060	6 x 2 x 1	13,50	113	244	500/1000
372101080	8 x 2 x 1	14,70	149	295	500/1000
372101100	10 x 2 x 1	16,80	185	350	500/1000
372101120	12 x 2 x 1	17,10	221	421	500/1000
372101160	16 x 2 x 1	19,90	293	560	500/1000
372101200	20 x 2 x 1	22,10	365	680	500/1000
372101240	24 x 2 x 1	23,90	437	798	500/1000
372113010	1 x 2 x 1,3	6,80	29	64	500/1000
372113020	2 x 2 x 1,3	10,00	53	115	500/1000
372113040	4 x 2 x 1,3	11,80	101	194	500/1000
372113060	6 x 2 x 1,3	14,40	149	298	500/1000
372113080	8 x 2 x 1,3	15,80	197	353	500/1000
372113100	10 x 2 x 1,3	18,00	245	439	500/1000
372113120	12 x 2 x 1,3	18,40	293	506	500/1000
372113160	16 x 2 x 1,3	21,10	392	650	500/1000
372113200	20 x 2 x 1,3	23,90	485	822	500/1000
372113240	24 x 2 x 1,3	26,00	581	987	500/1000
372115010	1 x 2 x 1,5	7,00	33	70	500/1000
372115020	2 x 2 x 1,5	10,50	61	135	500/1000
372115040	4 x 2 x 1,5	12,30	117	220	500/1000
372115060	6 x 2 x 1,5	15,30	173	330	500/1000
372115080	8 x 2 x 1,5	17,00	229	402	500/1000
372115100	10 x 2 x 1,5	19,20	285	498	500/1000
372115120	12 x 2 x 1,5	20,00	341	578	500/1000
372115160	16 x 2 x 1,5	22,20	453	760	500/1000
372115200	20 x 2 x 1,5	25,80	565	934	500/1000
372115240	24 x 2 x 1,5	29,00	677	1122	500/1000

RE-Y(St)Y-fl PIMF

CU/PVC/PSCR/OSCR/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 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
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

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
6. Gas Stations
7. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	160		IEC 60332-3-24
0,75	24,5		0,75	160	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	160	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	170		BS EN 60332-3-24
1,5	12,1		1,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

RE-Y(St)Y-fl PIMF

CU/PVC/PSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372250020	2 x 2 x 0,50	9,10	32	90	500/1000
372250040	4 x 2 x 0,50	10,60	60	130	500/1000
372250060	6 x 2 x 0,50	13,00	88	214	500/1000
372250080	8 x 2 x 0,50	14,10	115	259	500/1000
372250100	10 x 2 x 0,50	16,70	143	326	500/1000
372250120	12 x 2 x 0,50	17,20	170	373	500/1000
372250160	16 x 2 x 0,50	19,30	225	486	500/1000
372250200	20 x 2 x 0,50	21,40	280	586	500/1000
372250240	24 x 2 x 0,50	24,00	336	702	500/1000
372275020	2 x 2 x 0,75	9,80	42	110	500/1000
372275040	4 x 2 x 0,75	11,60	79	173	500/1000
372275060	6 x 2 x 0,75	14,10	116	263	500/1000
372275080	8 x 2 x 0,75	15,20	154	310	500/1000
372275100	10 x 2 x 0,75	18,10	191	390	500/1000
372275120	12 x 2 x 0,75	18,70	228	449	500/1000
372275160	16 x 2 x 0,75	21,10	302	590	500/1000
372275200	20 x 2 x 0,75	23,50	377	721	500/1000
372275240	24 x 2 x 0,75	26,30	451	863	500/1000
372201020	2 x 2 x 1	10,50	51	125	500/1000
372201040	4 x 2 x 1	12,50	98	203	500/1000
372201060	6 x 2 x 1	15,20	145	307	500/1000
372201080	8 x 2 x 1	16,70	192	395	500/1000
372201100	10 x 2 x 1	19,70	239	469	500/1000
372201120	12 x 2 x 1	20,40	285	542	500/1000
372201160	16 x 2 x 1	22,80	379	711	500/1000
372201200	20 x 2 x 1	25,60	473	870	500/1000
372201240	24 x 2 x 1	28,70	566	1041	500/1000
372213020	2 x 2 x 1,3	11,50	63	153	500/1000
372213040	4 x 2 x 1,3	13,30	120	234	500/1000
372213060	6 x 2 x 1,3	16,40	179	366	500/1000
372213080	8 x 2 x 1,3	17,80	237	435	500/1000
372213100	10 x 2 x 1,3	21,10	295	546	500/1000
372213120	12 x 2 x 1,3	22,00	353	642	500/1000
372213160	16 x 2 x 1,3	24,70	467	844	500/1000
372213200	20 x 2 x 1,3	27,60	585	1030	500/1000
372213240	24 x 2 x 1,3	31,00	700	1233	500/1000
372215020	2 x 2 x 1,5	11,80	70	165	500/1000
372215040	4 x 2 x 1,5	14,10	135	262	500/1000
372215060	6 x 2 x 1,5	16,90	200	396	500/1000
372215080	8 x 2 x 1,5	18,40	265	476	500/1000
372215100	10 x 2 x 1,5	22,00	331	608	500/1000
372215120	12 x 2 x 1,5	22,80	396	704	500/1000
372215160	16 x 2 x 1,5	25,60	526	925	500/1000
372215200	20 x 2 x 1,5	28,70	657	1132	500/1000
372215240	24 x 2 x 1,5	32,10	787	1355	500/1000

RE-Y(St)Y-fl TIMF

CU/PVC/TSCR/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	160		IEC 60332-3-24
0,75	24,5		0,75	160	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	160	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	170		BS EN 60332-3-24
1,5	12,1		1,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

RE-Y(St)Y-fl TIMF

CU/PVC/TSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372350020	2 x 3 x 0,50	10,10	42	125	500/1000
372350040	4 x 3 x 0,50	12,00	79	203	500/1000
372350060	6 x 3 x 0,50	14,50	116	288	500/1000
372350080	8 x 3 x 0,50	15,60	152	329	500/1000
372350100	10 x 3 x 0,50	18,60	189	414	500/1000
372350120	12 x 3 x 0,50	19,20	225	477	500/1000
372350160	16 x 3 x 0,50	21,50	299	625	500/1000
372350200	20 x 3 x 0,50	24,10	373	768	500/1000
372350240	24 x 3 x 0,50	27,50	447	932	500/1000
372375020	2 x 3 x 0,75	10,80	55	145	500/1000
372375040	4 x 3 x 0,75	12,80	106	238	500/1000
372375060	6 x 3 x 0,75	15,60	157	334	500/1000
372375080	8 x 3 x 0,75	17,10	207	411	500/1000
372375100	10 x 3 x 0,75	20,30	258	516	500/1000
372375120	12 x 3 x 0,75	21,00	308	597	500/1000
372375160	16 x 3 x 0,75	23,50	410	787	500/1000
372375200	20 x 3 x 0,75	26,30	511	960	500/1000
372375240	24 x 3 x 0,75	29,50	611	1150	500/1000
372301020	2 x 3 x 1	11,80	70	176	500/1000
372301040	4 x 3 x 1	13,80	135	269	500/1000
372301060	6 x 3 x 1	17,00	200	405	500/1000
372301080	8 x 3 x 1	18,30	266	495	500/1000
372301100	10 x 3 x 1	22,00	331	630	500/1000
372301120	12 x 3 x 1	22,80	396	730	500/1000
372301160	16 x 3 x 1	25,50	526	955	500/1000
372301200	20 x 3 x 1	28,50	658	1170	500/1000
372301240	24 x 3 x 1	32,00	788	1420	500/1000
372313020	2 x 3 x 1,3	12,70	86	205	500/1000
372313040	4 x 3 x 1,3	15,10	168	330	500/1000
372313060	6 x 3 x 1,3	18,30	249	500	500/1000
372313080	8 x 3 x 1,3	20,10	331	620	500/1000
372313100	10 x 3 x 1,3	24,00	414	770	500/1000
372313120	12 x 3 x 1,3	25,00	495	900	500/1000
372313160	16 x 3 x 1,3	28,00	658	1195	500/1000
372313200	20 x 3 x 1,3	31,20	823	1470	500/1000
372313240	24 x 3 x 1,3	35,00	986	1750	500/1000
372315020	2 x 3 x 1,5	13,10	98	224	500/1000
372315040	4 x 3 x 1,5	15,50	191	370	500/1000
372315060	6 x 3 x 1,5	19,00	284	550	500/1000
372315080	8 x 3 x 1,5	20,80	377	670	500/1000
372315100	10 x 3 x 1,5	24,80	471	835	500/1000
372315120	12 x 3 x 1,5	25,70	564	980	500/1000
372315160	16 x 3 x 1,5	28,80	750	1275	500/1000
372315200	20 x 3 x 1,5	32,20	937	1549	500/1000
372315240	24 x 3 x 1,5	36,40	1123	1891	500/1000

RE-Y(St)YSWAY-fl MULTICORE

CU/PVC/OSCR/PVC/ SWA/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED
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

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
6. Gas Stations
7. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	170		IEC 60332-3-24
0,75	24,5		0,75	170	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	170	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	170		BS EN 60332-3-24
2,5	7,41		2,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

RE-Y(St)YSWAY-fl MULTICORE

CU/PVC/OSCR/PVC/ SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372850020	2 x 0,50	14	5,80	10,40	205	500/1000
372850030	3 x 0,50	18	6,00	10,60	217	500/1000
372850040	4 x 0,50	23	6,50	11,10	242	500/1000
372850050	5 x 0,50	28	7,10	11,90	274	500/1000
372850060	6 x 0,50	32	7,60	12,40	291	500/1000
372850070	7 x 0,50	37	7,60	12,40	300	500/1000
372850100	10 x 0,50	51	9,40	14,20	377	500/1000
372850120	12 x 0,50	60	9,60	14,40	405	500/1000
372850190	19 x 0,50	115	11,20	16,20	500	500/1000
372850240	24 x 0,50	145	13,00	18,00	608	500/1000
372875020	2 x 0,75	19	6,20	10,80	218	500/1000
372875030	3 x 0,75	26	6,40	11,00	241	500/1000
372875040	4 x 0,75	33	6,80	11,40	262	500/1000
372875050	5 x 0,75	40	7,50	12,30	304	500/1000
372875060	6 x 0,75	47	8,10	12,90	334	500/1000
372875070	7 x 0,75	54	8,10	12,90	341	500/1000
372875100	10 x 0,75	75	10,10	14,90	433	500/1000
372875120	12 x 0,75	89	10,40	15,20	462	500/1000
372875190	19 x 0,75	138	12,10	17,10	580	500/1000
372875240	24 x 0,75	173	14,00	19,00	699	500/1000
372801020	2 x 1	23	6,60	11,40	246	500/1000
372801030	3 x 1	32	6,90	11,50	267	500/1000
372801040	4 x 1	41	7,40	12,20	297	500/1000
372801050	5 x 1	50	7,60	12,40	310	500/1000
372801060	6 x 1	60	8,70	13,50	369	500/1000
372801070	7 x 1	69	8,70	13,50	378	500/1000
372801100	10 x 1	97	10,90	15,90	495	500/1000
372801120	12 x 1	115	11,30	16,30	531	500/1000
372801190	19 x 1	180	13,20	18,20	660	500/1000
372801240	24 x 1	225	15,30	21,20	932	500/1000
372815020	2 x 1,5	33	7,20	12,00	271	500/1000
372815030	3 x 1,5	47	7,60	12,40	307	500/1000
372815040	4 x 1,5	61	8,20	13,00	343	500/1000
372815050	5 x 1,5	76	9,00	13,80	390	500/1000
372815060	6 x 1,5	90	9,70	14,50	436	500/1000
372815070	7 x 1,5	104	9,70	14,50	449	500/1000
372815100	10 x 1,5	147	12,20	17,20	586	500/1000
372815120	12 x 1,5	175	12,60	17,60	621	500/1000
372815190	19 x 1,5	274	14,70	19,90	820	500/1000
372815240	24 x 1,5	345	17,20	23,30	1119	500/1000
372825020	2 x 2,5	49	8,50	13,30	337	500/1000
372825030	3 x 2,5	71	8,80	13,60	385	500/1000
372825040	4 x 2,5	93	9,60	14,40	430	500/1000
372825050	5 x 2,5	115	10,60	15,60	502	500/1000
372825060	6 x 2,5	137	11,50	16,50	562	500/1000
372825070	7 x 2,5	159	11,50	16,50	583	500/1000
372825100	10 x 2,5	225	14,60	19,80	777	500/1000
372825120	12 x 2,5	267	15,00	20,20	845	500/1000
372825190	19 x 2,5	423	17,70	23,80	1305	500/1000
372825240	24 x 2,5	533	20,70	27,00	1544	500/1000

RE-Y(St)YSWAY-fl (MULTIPAIR)

CU/PVC/OSCR/PVC/SWA/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	120		IEC 60332-3-24
0,75	24,5		0,75	120	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	120	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	130		BS EN 60332-3-24
1,5	12,1		1,5	130		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	μH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1, 5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

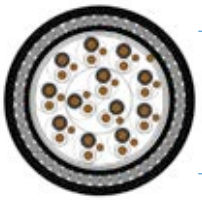
RE-Y(St)YSWAY-fl (MULTIPAIR)

CU/PVC/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
372950010	1 x 2 x 0,50	14	5,80	10,60	223	500/1000
372950020	2 x 2 x 0,50	23	8,00	12,80	298	500/1000
372950040	4 x 2 x 0,50	42	9,20	14,00	364	500/1000
372950060	6 x 2 x 0,50	60	11,00	16,00	466	500/1000
372950080	8 x 2 x 0,50	78	12,10	17,20	525	500/1000
372950100	10 x 2 x 0,50	97	13,60	18,60	596	500/1000
372950120	12 x 2 x 0,50	115	13,90	18,90	640	500/1000
372950160	16 x 2 x 0,50	152	15,80	21,70	880	500/1000
372950200	20 x 2 x 0,50	189	17,70	23,80	1035	500/1000
372950240	24 x 2 x 0,50	225	19,10	25,20	1125	500/1000
372975010	1 x 2 x 0,75	19	6,20	10,80	222	500/1000
372975020	2 x 2 x 0,75	33	8,60	13,40	332	500/1000
372975040	4 x 2 x 0,75	60	10,00	14,80	412	500/1000
372975060	6 x 2 x 0,75	88	12,00	17,00	529	500/1000
372975080	8 x 2 x 0,75	117	13,20	18,20	610	500/1000
372975100	10 x 2 x 0,75	144	14,90	20,10	715	500/1000
372975120	12 x 2 x 0,75	173	15,20	21,10	875	500/1000
372975160	16 x 2 x 0,75	229	17,30	23,40	1055	500/1000
372975200	20 x 2 x 0,75	285	19,40	25,50	1235	500/1000
372975240	24 x 2 x 0,75	340	21,00	27,30	1320	500/1000
372901010	1 x 2 x 1	23	6,60	11,40	246	500/1000
372901020	2 x 2 x 1	41	9,20	14,00	365	500/1000
372901040	4 x 2 x 1	77	10,80	15,80	463	500/1000
372901060	6 x 2 x 1	113	13,00	18,00	615	500/1000
372901080	8 x 2 x 1	149	14,30	19,50	685	500/1000
372901100	10 x 2 x 1	192	16,20	22,10	925	500/1000
372901120	12 x 2 x 1	221	16,50	22,40	1025	500/1000
372901160	16 x 2 x 1	305	19,10	25,20	1250	500/1000
372901200	20 x 2 x 1	380	21,10	27,40	1410	500/1000
372901240	24 x 2 x 1	460	22,90	29,20	1598	500/1000
372913010	1 x 2 x 1,3	29	7,00	11,80	267	500/1000
372913020	2 x 2 x 1,3	53	9,90	14,70	396	500/1000
372913040	4 x 2 x 1,3	101	11,60	16,60	500	500/1000
372913060	6 x 2 x 1,3	149	14,00	19,00	685	500/1000
372913080	8 x 2 x 1,3	197	15,40	21,30	885	500/1000
372913100	10 x 2 x 1,3	245	17,40	23,50	1055	500/1000
372913120	12 x 2 x 1,3	293	17,80	23,90	1150	500/1000
372913160	16 x 2 x 1,3	389	20,30	26,40	1375	500/1000
372913200	20 x 2 x 1,3	485	22,90	29,20	1600	500/1000
372913240	24 x 2 x 1,3	581	24,80	31,30	1825	500/1000
372915010	1 x 2 x 1,5	33	7,20	12,00	272	500/1000
372915020	2 x 2 x 1,5	61	10,20	15,00	416	500/1000
372915040	4 x 2 x 1,5	117	12,00	17,00	543	500/1000
372915060	6 x 2 x 1,5	173	15,00	20,10	750	500/1000
372915080	8 x 2 x 1,5	229	16,20	22,10	960	500/1000
372915100	10 x 2 x 1,5	285	18,30	24,40	1115	500/1000
372915120	12 x 2 x 1,5	341	19,10	25,20	1230	500/1000
372915160	16 x 2 x 1,5	453	21,10	27,40	1480	500/1000
372915200	20 x 2 x 1,5	565	24,50	31,00	1760	500/1000
372915240	24 x 2 x 1,5	677	27,60	35,00	2275	500/1000

RE-Y(St)YSWAY-fl PIMF

CU/PVC/PSCR/OSCR/ PVC /SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 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
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	160		IEC 60332-3-24
0,75	24,5		0,75	160	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	160	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	170		BS EN 60332-3-24
1,5	12,1		1,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

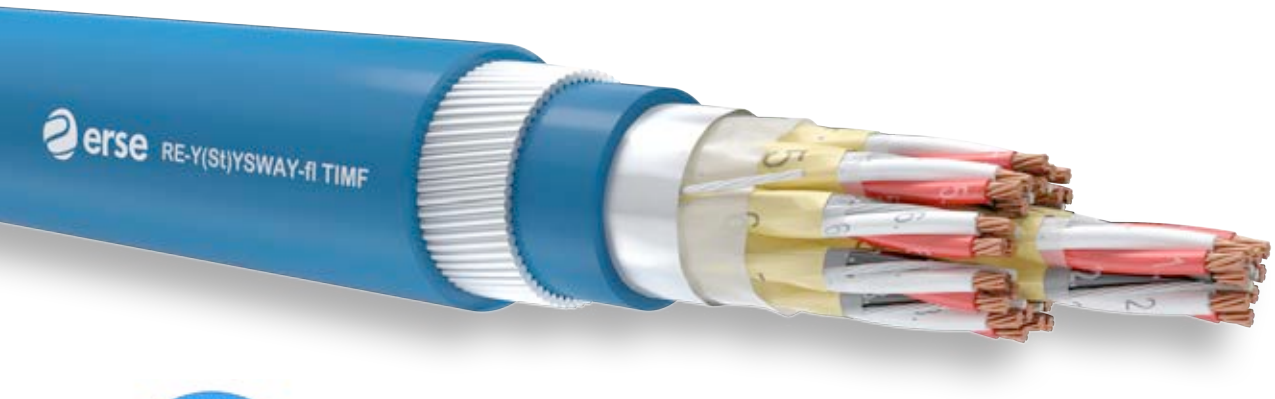
RE-Y(St)YSWAY-fl PIMF

CU/PVC/PSCR/OSCR/ PVC /SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
373050020	2 x 2 x 0,50	32	9,10	14,00	352	500/1000
373050040	4 x 2 x 0,50	60	10,60	15,60	444	500/1000
373050060	6 x 2 x 0,50	88	12,60	17,60	563	500/1000
373050080	8 x 2 x 0,50	115	13,70	18,80	625	500/1000
373050100	10 x 2 x 0,50	143	16,10	22,00	875	500/1000
373050120	12 x 2 x 0,50	170	16,60	22,50	935	500/1000
373050160	16 x 2 x 0,50	225	18,50	24,60	1125	500/1000
373050200	20 x 2 x 0,50	280	20,60	26,90	1295	500/1000
373050240	24 x 2 x 0,50	336	23,00	30,00	1500	500/1000
373075020	2 x 2 x 0,75	42	9,80	14,40	383	500/1000
373075040	4 x 2 x 0,75	79	11,40	16,50	487	500/1000
373075060	6 x 2 x 0,75	116	13,80	18,80	629	500/1000
373075080	8 x 2 x 0,75	154	14,80	20,00	715	500/1000
373075100	10 x 2 x 0,75	191	17,50	24,00	998	500/1000
373075120	12 x 2 x 0,75	228	18,10	24,50	1069	500/1000
373075160	16 x 2 x 0,75	302	20,40	26,50	1280	500/1000
373075200	20 x 2 x 0,75	377	22,50	29,00	1490	500/1000
373075240	24 x 2 x 0,75	451	25,10	32,00	1725	500/1000
373001020	2 x 2 x 1	51	10,50	15,50	425	500/1000
373001040	4 x 2 x 1	98	12,30	17,50	544	500/1000
373001060	6 x 2 x 1	145	14,80	20,00	712	500/1000
373001080	8 x 2 x 1	192	16,10	21,50	925	500/1000
373001100	10 x 2 x 1	239	19,00	25,00	1125	500/1000
373001120	12 x 2 x 1	285	19,60	26,00	1230	500/1000
373001160	16 x 2 x 1	379	21,80	28,10	1450	500/1000
373001200	20 x 2 x 1	473	24,50	31,00	1695	500/1000
373001240	24 x 2 x 1	566	27,50	35,00	2170	500/1000
373013010	2 x 2 x 1,3	63	11,30	16,50	465	500/1000
373013020	4 x 2 x 1,3	120	13,10	18,10	592	500/1000
373013060	6 x 2 x 1,3	179	16,00	21,00	894	500/1000
373013080	8 x 2 x 1,3	237	17,40	23,50	1030	500/1000
373013100	10 x 2 x 1,3	295	20,50	26,50	1235	500/1000
373013120	12 x 2 x 1,3	353	21,00	27,50	1350	500/1000
373013160	16 x 2 x 1,3	467	23,50	30,00	1630	500/1000
373013200	20 x 2 x 1,3	585	26,50	33,50	2100	500/1000
373013240	24 x 2 x 1,3	700	30,00	37,50	2475	500/1000
373015020	2 x 2 x 1,5	70	11,60	16,80	483	500/1000
373015040	4 x 2 x 1,5	135	14,00	19,00	629	500/1000
373015060	6 x 2 x 1,5	200	16,50	22,50	975	500/1000
373015080	8 x 2 x 1,5	265	18,00	24,00	1100	500/1000
373015100	10 x 2 x 1,5	331	21,00	27,50	1313	500/1000
373015120	12 x 2 x 1,5	396	22,00	28,10	1450	500/1000
373015160	16 x 2 x 1,5	526	24,50	31,00	1775	500/1000
373015200	20 x 2 x 1,5	657	27,50	35,00	2270	500/1000
373015240	24 x 2 x 1,5	787	31,00	39,00	2660	500/1000

RE-Y(St)YSWAY-fl TIMF

CU/PVC/TSCR/OSCR/PVC/SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	160		IEC 60332-3-24
0,75	24,5		0,75	160	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	160	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	170		BS EN 60332-3-24
1,5	12,1		1,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

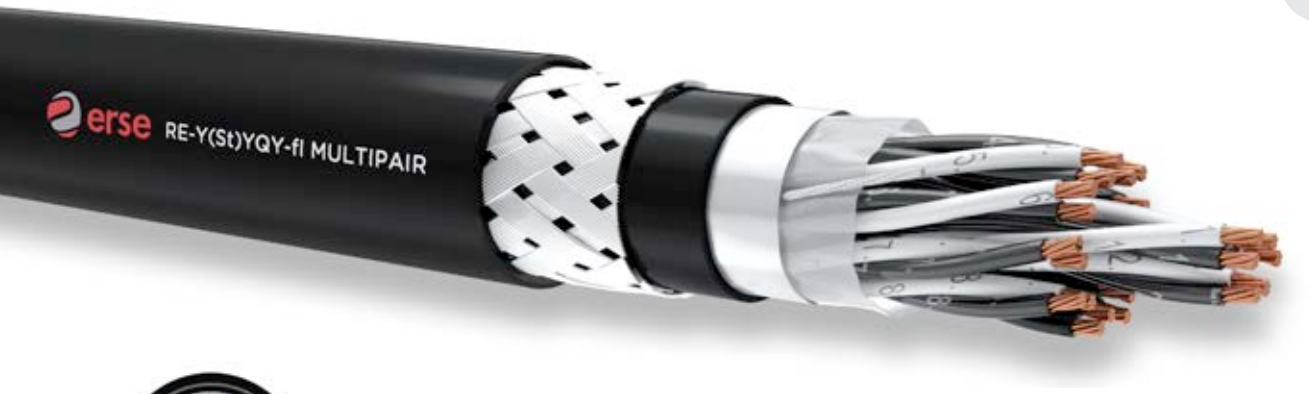
RE-Y(St)YSWAY-fl TIMF

CU/PVC/TSCR/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
373150020	2 x 3 x 0,50	42	10,40	15,00	395	500/1000
373150040	4 x 3 x 0,50	79	12,00	16,80	508	500/1000
373150060	6 x 3 x 0,50	116	14,30	19,10	655	500/1000
373150080	8 x 3 x 0,50	152	15,50	21,20	855	500/1000
373150100	10 x 3 x 0,50	189	18,30	24,20	1035	500/1000
373150120	12 x 3 x 0,50	225	18,90	24,80	1115	500/1000
373150160	16 x 3 x 0,50	299	21,00	27,40	1350	500/1000
373150200	20 x 3 x 0,50	373	23,40	29,50	1560	500/1000
373150240	24 x 3 x 0,50	447	26,20	33,00	1975	500/1000
373175020	2 x 3 x 0,75	55	11,10	15,90	439	500/1000
373175040	4 x 3 x 0,75	106	12,90	17,70	569	500/1000
373175060	6 x 3 x 0,75	157	15,50	21,20	859	500/1000
373175080	8 x 3 x 0,75	207	16,80	22,50	968	500/1000
373175100	10 x 3 x 0,75	258	19,80	25,70	1176	500/1000
373175120	12 x 3 x 0,75	308	20,50	26,40	1273	500/1000
373175160	16 x 3 x 0,75	410	22,80	28,90	1536	500/1000
373175200	20 x 3 x 0,75	511	25,40	31,70	1800	500/1000
373175240	24 x 3 x 0,75	611	28,80	36,00	2360	500/1000
373101020	2 x 3 x 1	70	11,90	16,70	485	500/1000
373101040	4 x 3 x 1	135	13,70	18,70	630	500/1000
373101060	6 x 3 x 1	200	16,60	22,30	960	500/1000
373101080	8 x 3 x 1	266	18,00	23,90	1130	500/1000
373101100	10 x 3 x 1	331	21,00	27,40	1370	500/1000
373101120	12 x 3 x 1	396	22,00	28,10	1480	500/1000
373101160	16 x 3 x 1	526	24,80	31,10	1791	500/1000
373101200	20 x 3 x 1	658	27,40	34,40	2300	500/1000
373101240	24 x 3 x 1	788	31,10	38,50	2740	500/1000
373113020	2 x 3 x 1,3	86	12,80	17,60	534	500/1000
373113040	4 x 3 x 1,3	168	15,00	20,00	718	500/1000
373113060	6 x 3 x 1,3	249	18,00	23,90	1090	500/1000
373113080	8 x 3 x 1,3	331	19,60	25,50	1270	500/1000
373113100	10 x 3 x 1,3	414	23,20	29,30	1580	500/1000
373113120	12 x 3 x 1,3	495	24,00	30,10	1700	500/1000
373113160	16 x 3 x 1,3	658	26,80	33,80	2280	500/1000
373113200	20 x 3 x 1,3	823	30,30	37,50	2700	500/1000
373113240	24 x 3 x 1,3	986	33,90	41,30	3150	500/1000
373115020	2 x 3 x 1,5	98	13,20	18,00	563	500/1000
373115040	4 x 3 x 1,5	191	15,40	20,40	760	500/1000
373115060	6 x 3 x 1,5	284	18,60	24,50	1152	500/1000
373115080	8 x 3 x 1,5	377	20,20	26,10	1324	500/1000
373115100	10 x 3 x 1,5	471	23,90	30,00	1607	500/1000
373115120	12 x 3 x 1,5	564	24,80	31,10	1820	500/1000
373115160	16 x 3 x 1,5	750	28,10	35,30	2450	500/1000
373115200	20 x 3 x 1,5	937	31,30	38,70	2830	500/1000
373115240	24 x 3 x 1,5	1123	35,00	42,60	3320	500/1000

RE-Y(St)YQY-fl MULTIPAIR

CU/PVC/OSCR/PVC/GSWB/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE,PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	120		IEC 60332-3-24
0,75	24,5		0,75	120	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	120	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	130		BS EN 60332-3-24
1,5	12,1		1,5	130		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	8X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-Y(St)YQY-fl MULTIPAIR

CU/PVC/OSCR/PVC/GSWB/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDARD LENGTH (mt)
373750010	1 x 2 x 0,50	14	5,80	10,00	140	500/1000
373750020	2 x 2 x 0,50	23	8,00	12,20	184	500/1000
373750040	4 x 2 x 0,50	42	9,20	13,40	237	500/1000
373750060	6 x 2 x 0,50	60	11,00	15,40	321	500/1000
373750080	8 x 2 x 0,50	78	12,00	16,50	359	500/1000
373750100	10 x 2 x 0,50	97	13,60	18,00	417	500/1000
373750120	12 x 2 x 0,50	115	14,00	18,30	456	500/1000
373750160	16 x 2 x 0,50	152	15,80	20,40	568	500/1000
373750200	20 x 2 x 0,50	189	17,80	22,50	663	500/1000
373750240	24 x 2 x 0,50	225	19,00	24,00	750	500/1000
373775010	1 x 2 x 0,75	19	6,20	10,20	160	500/1000
373775020	2 x 2 x 0,75	33	8,60	12,80	219	500/1000
373775040	4 x 2 x 0,75	60	10,00	14,20	278	500/1000
373775060	6 x 2 x 0,75	88	12,00	16,40	373	500/1000
373775080	8 x 2 x 0,75	117	13,20	17,60	420	500/1000
373775100	10 x 2 x 0,75	144	15,00	19,50	496	500/1000
373775120	12 x 2 x 0,75	173	15,20	20,00	564	500/1000
373775160	16 x 2 x 0,75	229	17,30	22,20	708	500/1000
373775200	20 x 2 x 0,75	285	19,50	24,30	822	500/1000
373775240	24 x 2 x 0,75	340	21,00	26,00	956	500/1000
373701010	1 x 2 x 1	23	6,60	10,80	180	500/1000
373701020	2 x 2 x 1	41	9,20	13,40	250	500/1000
373701040	4 x 2 x 1	77	10,80	15,20	325	500/1000
373701060	6 x 2 x 1	113	13,00	17,40	428	500/1000
373701080	8 x 2 x 1	149	14,30	19,00	501	500/1000
373701100	10 x 2 x 1	185	16,20	21,00	607	500/1000
373701120	12 x 2 x 1	221	16,50	21,30	672	500/1000
373701160	16 x 2 x 1	293	19,00	24,00	840	500/1000
373701200	20 x 2 x 1	365	21,00	26,20	997	500/1000
373701240	24 x 2 x 1	437	23,00	28,00	1139	500/1000
373713010	1 x 2 x 1,3	29	7,00	11,20	195	500/1000
373713020	2 x 2 x 1,3	53	10,00	14,00	272	500/1000
373713040	4 x 2 x 1,3	101	11,60	16,00	365	500/1000
373713060	6 x 2 x 1,3	149	14,00	18,40	484	500/1000
373713080	8 x 2 x 1,3	197	15,50	20,00	587	500/1000
373713100	10 x 2 x 1,3	245	17,50	22,30	718	500/1000
373713120	12 x 2 x 1,3	293	17,80	22,70	797	500/1000
373713160	16 x 2 x 1,3	389	20,30	25,20	989	500/1000
373713200	20 x 2 x 1,3	485	23,00	28,00	1180	500/1000
373713240	24 x 2 x 1,3	581	25,00	30,00	1369	500/1000
373715010	1 x 2 x 1,5	33	7,20	11,50	215	500/1000
373715020	2 x 2 x 1,5	61	10,20	14,50	300	500/1000
373715040	4 x 2 x 1,5	117	12,00	16,50	385	500/1000
373715060	6 x 2 x 1,5	173	15,00	19,50	535	500/1000
373715080	8 x 2 x 1,5	229	16,20	21,50	652	500/1000
373715100	10 x 2 x 1,5	285	18,30	23,80	784	500/1000
373715120	12 x 2 x 1,5	341	19,00	24,60	879	500/1000
373715160	16 x 2 x 1,5	453	21,00	26,80	1090	500/1000
373715200	20 x 2 x 1,5	565	24,50	30,50	1324	500/1000
373715240	24 x 2 x 1,5	677	27,60	34,40	1589	500/1000

RE-Y(St)YQY-fl PIMF

CU/PVC/PSCR/OSCR/PVC/GSWB/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-21 PVC COMPOUND
3 - Colour Code	BS 5308-2 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
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	160		IEC 60332-3-24
0,75	24,5		0,75	160	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	100	1,0	160	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	170		BS EN 60332-3-24
1,5	12,1		1,5	170		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	8X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-2
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-Y(St)YQY-fl PIMF

CU/PVC/PSCR/OSCR/PVC/GSWB/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)	STANDARD LENGTH (mt)
374050020	2 x 2 x 0,50	32	9,10	13,30	213	500/1000
374050040	4 x 2 x 0,50	60	10,60	15,00	296	500/1000
374050060	6 x 2 x 0,50	88	12,60	17,00	377	500/1000
374050080	8 x 2 x 0,50	115	13,70	18,00	441	500/1000
374050100	10 x 2 x 0,50	143	16,10	20,70	570	500/1000
374050120	12 x 2 x 0,50	170	16,60	21,20	680	500/1000
374050160	16 x 2 x 0,50	225	18,50	23,30	800	500/1000
374050200	20 x 2 x 0,50	280	20,60	25,60	913	500/1000
374050240	24 x 2 x 0,50	336	23,00	28,20	1064	500/1000
374075020	2 x 2 x 0,75	42	10,40	13,80	244	500/1000
374075040	4 x 2 x 0,75	79	12,50	15,80	346	500/1000
374075060	6 x 2 x 0,75	116	13,70	18,00	446	500/1000
374075080	8 x 2 x 0,75	154	14,80	19,40	514	500/1000
374075100	10 x 2 x 0,75	191	17,50	22,30	664	500/1000
374075120	12 x 2 x 0,75	228	18,10	23,00	713	500/1000
374075160	16 x 2 x 0,75	302	20,30	25,00	891	500/1000
374075200	20 x 2 x 0,75	377	22,50	27,50	1060	500/1000
374075240	24 x 2 x 0,75	451	25,10	30,30	1251	500/1000
374001020	2 x 2 x 1	51	10,50	14,90	286	500/1000
374001040	4 x 2 x 1	98	13,50	16,70	380	500/1000
374001060	6 x 2 x 1	145	14,80	19,40	505	500/1000
374001080	8 x 2 x 1	192	16,10	20,00	630	500/1000
374001100	10 x 2 x 1	239	18,90	23,70	769	500/1000
374001120	12 x 2 x 1	285	19,60	22,40	854	500/1000
374001160	16 x 2 x 1	379	21,80	26,80	1049	500/1000
374001200	20 x 2 x 1	473	24,40	29,60	1199	500/1000
374001240	24 x 2 x 1	566	27,30	32,70	1474	500/1000
374013020	2 x 2 x 1,3	63	11,30	15,70	316	500/1000
374013040	4 x 2 x 1,3	120	14,00	17,50	420	500/1000
374013060	6 x 2 x 1,3	179	14,50	19,70	613	500/1000
374013080	8 x 2 x 1,3	237	17,20	22,00	722	500/1000
374013100	10 x 2 x 1,3	295	20,30	25,00	880	500/1000
374013120	12 x 2 x 1,3	353	21,00	26,00	987	500/1000
374013160	16 x 2 x 1,3	467	23,50	28,50	1201	500/1000
374013200	20 x 2 x 1,3	585	26,20	31,40	1483	500/1000
374013240	24 x 2 x 1,3	700	29,80	35,20	1776	500/1000
374015020	2 x 2 x 1,5	70	11,60	16,00	330	500/1000
374015040	4 x 2 x 1,5	135	14,50	18,00	451	500/1000
374015060	6 x 2 x 1,5	200	16,30	20,90	650	500/1000
374015080	8 x 2 x 1,5	265	17,80	22,60	762	500/1000
374015100	10 x 2 x 1,5	331	21,00	26,00	933	500/1000
374015120	12 x 2 x 1,5	396	21,80	26,80	1053	500/1000
374015160	16 x 2 x 1,5	526	24,40	29,60	1314	500/1000
374015200	20 x 2 x 1,5	657	27,30	32,70	1597	500/1000
374015240	24 x 2 x 1,5	787	30,90	36,50	1944	500/1000

RE-2Y(St)Y-fl (MULTICORE)

CU/PE/OSCR/PVC

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

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 IMPRINTED
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*

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
6. Gas Stations
7. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 GREY SHEATH*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)Y-fl (MULTICORE)

CU/PE/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374450020	2 x 0,50	5,60	14	44	500/1000
374450030	3 x 0,50	5,80	18	49	500/1000
374450040	4 x 0,50	6,30	23	57	500/1000
374450050	5 x 0,50	6,90	28	67	500/1000
374450060	6 x 0,50	7,40	32	76	500/1000
374450070	7 x 0,50	7,40	37	82	500/1000
374450100	10 x 0,50	9,40	51	112	500/1000
374450120	12 x 0,50	9,60	59	132	500/1000
374450190	19 x 0,50	11,50	115	197	500/1000
374450240	24 x 0,50	13,20	145	243	500/1000
374475020	2 x 0,75	6,00	19	49	500/1000
374475030	3 x 0,75	6,20	26	58	500/1000
374475040	4 x 0,75	6,60	33	71	500/1000
374475050	5 x 0,75	7,30	40	85	500/1000
374475060	6 x 0,75	7,90	47	100	500/1000
374475070	7 x 0,75	7,90	54	107	500/1000
374475100	10 x 0,75	10,10	75	150	500/1000
374475120	12 x 0,75	10,40	89	170	500/1000
374475190	19 x 0,75	12,30	138	255	500/1000
374475240	24 x 0,75	14,40	173	320	500/1000
374401020	2 x 1	6,50	23	57	500/1000
374401030	3 x 1	6,80	32	69	500/1000
374401040	4 x 1	7,30	41	87	500/1000
374401050	5 x 1	7,50	50	96	500/1000
374401060	6 x 1	8,80	60	119	500/1000
374401070	7 x 1	8,80	69	128	500/1000
374401100	10 x 1	11,20	97	192	500/1000
374401120	12 x 1	11,60	115	216	500/1000
374401190	19 x 1	13,60	180	315	500/1000
374401240	24 x 1	15,90	225	398	500/1000
374415020	2 x 1,5	7,00	33	69	500/1000
374415030	3 x 1,5	7,40	47	89	500/1000
374415040	4 x 1,5	8,00	61	109	500/1000
374415050	5 x 1,5	9,00	76	134	500/1000
374415060	6 x 1,5	9,70	90	160	500/1000
374415070	7 x 1,5	9,70	104	167	500/1000
374415100	10 x 1,5	12,40	147	245	500/1000
374415120	12 x 1,5	12,80	175	285	500/1000
374415190	19 x 1,5	15,10	274	435	500/1000
374415240	24 x 1,5	17,80	345	530	500/1000
374425020	2 x 2,5	8,50	49	98	500/1000
374425030	3 x 2,5	8,80	71	127	500/1000
374425040	4 x 2,5	9,60	93	159	500/1000
374425050	5 x 2,5	10,60	115	195	500/1000
374425060	6 x 2,5	11,70	137	236	500/1000
374425070	7 x 2,5	11,70	159	260	500/1000
374425100	10 x 2,5	15,00	225	364	500/1000
374425120	12 x 2,5	15,40	267	428	500/1000
374425190	19 x 2,5	18,30	423	650	500/1000
374425240	24 x 2,5	21,50	533	810	500/1000

RE-2Y(St)Y-fl (MULTIPAIR)

CU/PE/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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*

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 GREY SHEATH*: Inside of buildings

RE-2Y(St)Y-fl (MULTIPAIR)

CU/PE/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374550010	1 x 2 x 0,50	5,60	14	44	500/1000
374550020	2 x 2 x 0,50	7,90	23	68	500/1000
374550040	4 x 2 x 0,50	9,40	42	98	500/1000
374550060	6 x 2 x 0,50	11,20	60	140	500/1000
374550080	8 x 2 x 0,50	12,40	78	175	500/1000
374550100	10 x 2 x 0,50	14,00	97	214	500/1000
374550120	12 x 2 x 0,50	14,30	115	242	500/1000
374550160	16 x 2 x 0,50	16,40	152	319	500/1000
374550200	20 x 2 x 0,50	18,30	189	380	500/1000
374550240	24 x 2 x 0,50	19,90	225	451	500/1000
374575010	1 x 2 x 0,75	6,00	19	49	500/1000
374575020	2 x 2 x 0,75	9,00	33	86	500/1000
374575040	4 x 2 x 0,75	10,20	60	123	500/1000
374575060	6 x 2 x 0,75	12,20	88	189	500/1000
374575080	8 x 2 x 0,75	13,60	117	225	500/1000
374575100	10 x 2 x 0,75	15,30	144	272	500/1000
374575120	12 x 2 x 0,75	15,60	173	310	500/1000
374575160	16 x 2 x 0,75	18,00	229	410	500/1000
374575200	20 x 2 x 0,75	20,20	285	500	500/1000
374575240	24 x 2 x 0,75	22,00	340	600	500/1000
374501010	1 x 2 x 1	6,40	23	57	500/1000
374501020	2 x 2 x 1	9,20	41	98	500/1000
374501040	4 x 2 x 1	11,00	77	155	500/1000
374501060	6 x 2 x 1	13,30	113	231	500/1000
374501080	8 x 2 x 1	14,70	155	275	500/1000
374501100	10 x 2 x 1	16,80	195	345	500/1000
374501120	12 x 2 x 1	17,10	229	394	500/1000
374501160	16 x 2 x 1	19,90	304	530	500/1000
374501200	20 x 2 x 1	22,10	375	635	500/1000
374501240	24 x 2 x 1	23,90	455	740	500/1000
374513010	1 x 2 x 1,3	6,80	29	62	500/1000
374513020	2 x 2 x 1,3	10,00	53	119	500/1000
374513040	4 x 2 x 1,3	11,80	101	184	500/1000
374513060	6 x 2 x 1,3	14,40	149	283	500/1000
374513080	8 x 2 x 1,3	15,80	197	335	500/1000
374513100	10 x 2 x 1,3	18,00	245	410	500/1000
374513120	12 x 2 x 1,3	18,40	293	476	500/1000
374513160	16 x 2 x 1,3	21,10	389	630	500/1000
374513200	20 x 2 x 1,3	23,90	485	775	500/1000
374513240	24 x 2 x 1,3	26,00	581	920	500/1000
374515010	1 x 2 x 1,5	7,00	33	67	500/1000
374515020	2 x 2 x 1,5	10,20	61	130	500/1000
374515040	4 x 2 x 1,5	12,20	117	210	500/1000
374515060	6 x 2 x 1,5	15,30	173	314	500/1000
374515080	8 x 2 x 1,5	16,80	229	380	500/1000
374515100	10 x 2 x 1,5	19,20	285	470	500/1000
374515120	12 x 2 x 1,5	20,00	341	545	500/1000
374515160	16 x 2 x 1,5	22,20	453	710	500/1000
374515200	20 x 2 x 1,5	25,80	565	880	500/1000
374515240	24 x 2 x 1,5	29,10	677	1080	500/1000

RE-2Y(St)Y-fl PIMF

CU/PE/PSCR/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
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*

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,30	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 GREY SHEATH*: Inside of buildings

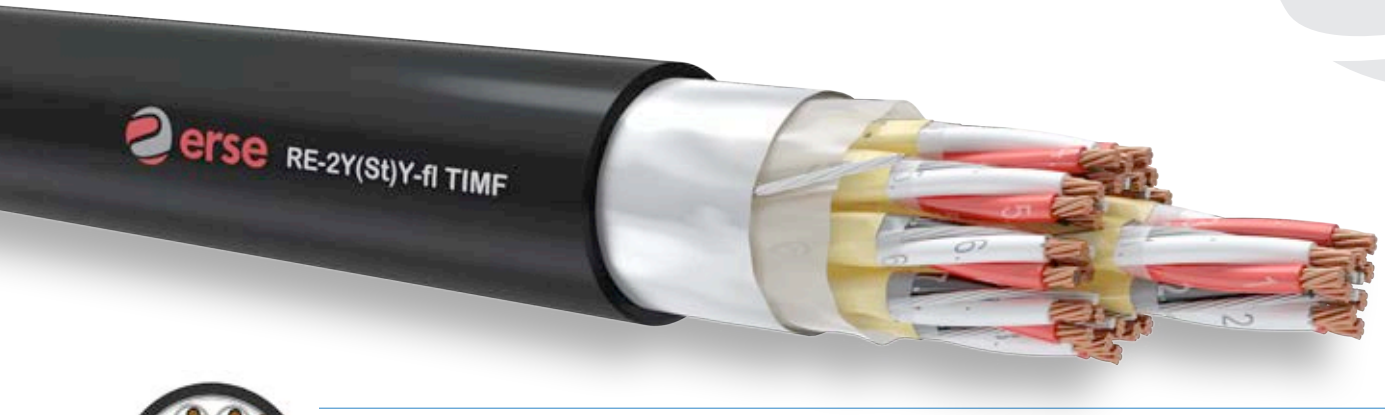
RE-2Y(St)Y-fl PIMF

CU/PE/PSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376450020	2 x 2 x 0,50	9,10	32	88	500/1000
376450040	4 x 2 x 0,50	10,60	60	135	500/1000
376450060	6 x 2 x 0,50	13,00	88	205	500/1000
376450080	8 x 2 x 0,50	14,10	115	245	500/1000
376450100	10 x 2 x 0,50	16,70	143	308	500/1000
376450120	12 x 2 x 0,50	17,20	170	352	500/1000
376450160	16 x 2 x 0,50	19,30	225	461	500/1000
376450200	20 x 2 x 0,50	21,40	280	551	500/1000
376450240	24 x 2 x 0,50	24,00	336	660	500/1000
376475020	2 x 2 x 0,75	9,80	42	107	500/1000
376475040	4 x 2 x 0,75	11,60	79	165	500/1000
376475060	6 x 2 x 0,75	14,10	116	255	500/1000
376475080	8 x 2 x 0,75	15,20	154	290	500/1000
376475100	10 x 2 x 0,75	18,10	191	370	500/1000
376475120	12 x 2 x 0,75	18,70	228	425	500/1000
376475160	16 x 2 x 0,75	21,10	302	555	500/1000
376475200	20 x 2 x 0,75	23,50	377	680	500/1000
376475240	24 x 2 x 0,75	26,30	451	810	500/1000
376401020	2 x 2 x 1	10,50	51	122	500/1000
376401040	4 x 2 x 1	12,50	98	194	500/1000
376401060	6 x 2 x 1	15,20	145	294	500/1000
376401080	8 x 2 x 1	16,70	192	357	500/1000
376401100	10 x 2 x 1	19,70	239	448	500/1000
376401120	12 x 2 x 1	20,40	285	516	500/1000
376401160	16 x 2 x 1	22,80	379	676	500/1000
376401200	20 x 2 x 1	25,60	473	826	500/1000
376401240	24 x 2 x 1	28,70	566	988	500/1000
376413020	2 x 2 x 1,3	11,50	63	148	500/1000
376413040	4 x 2 x 1,3	13,30	120	224	500/1000
376413060	6 x 2 x 1,3	16,40	179	350	500/1000
376413080	8 x 2 x 1,3	17,80	237	415	500/1000
376413100	10 x 2 x 1,3	21,10	295	521	500/1000
376413120	12 x 2 x 1,3	22,00	353	612	500/1000
376413160	16 x 2 x 1,3	24,70	467	803	500/1000
376413200	20 x 2 x 1,3	27,60	585	980	500/1000
376413240	24 x 2 x 1,3	31,00	700	1173	500/1000
376415020	2 x 2 x 1,5	11,80	70	161	500/1000
376415040	4 x 2 x 1,5	14,10	135	250	500/1000
376415060	6 x 2 x 1,5	16,90	200	379	500/1000
376415080	8 x 2 x 1,5	18,40	265	454	500/1000
376415100	10 x 2 x 1,5	22,00	331	580	500/1000
376415120	12 x 2 x 1,5	22,80	396	675	500/1000
376415160	16 x 2 x 1,5	25,60	526	880	500/1000
376415200	20 x 2 x 1,5	28,70	657	1076	500/1000
376415240	24 x 2 x 1,5	32,10	787	1290	500/1000

RE-2Y(St)Y-fl TIMF

CU/PE/TSCR/OSCR/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,30	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 GREY SHEATH*: Inside of buildings

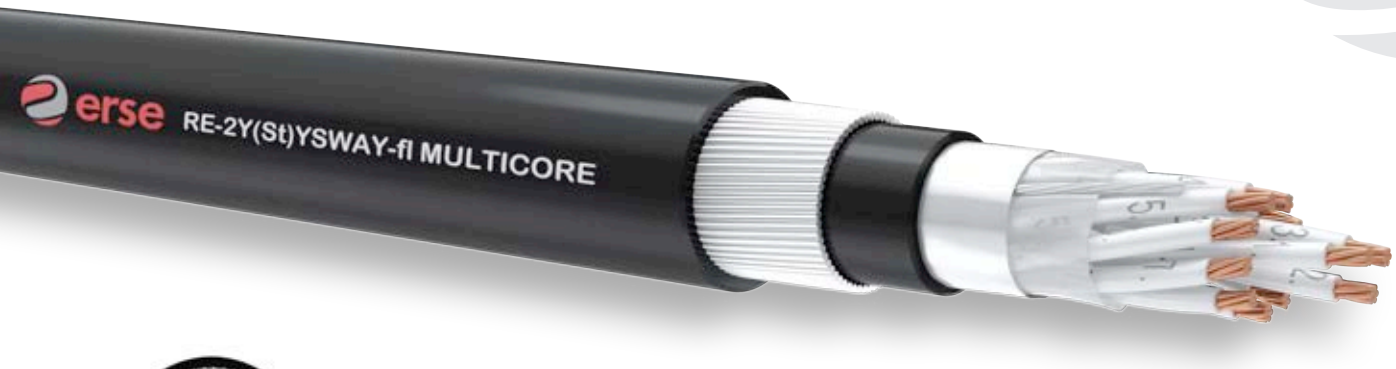
RE-2Y(St)Y-fl TIMF

CU/PE/TSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376550020	2 x 3 x 0,50	10,10	42	125	500/1000
376550040	4 x 3 x 0,50	12,00	79	185	500/1000
376550060	6 x 3 x 0,50	14,50	116	265	500/1000
376550080	8 x 3 x 0,50	15,60	152	320	500/1000
376550100	10 x 3 x 0,50	18,60	189	390	500/1000
376550120	12 x 3 x 0,50	19,20	225	456	500/1000
376550160	16 x 3 x 0,50	21,50	299	600	500/1000
376550200	20 x 3 x 0,50	24,10	373	726	500/1000
376550240	24 x 3 x 0,50	27,50	447	881	500/1000
376575020	2 x 3 x 0,75	10,80	55	145	500/1000
376575040	4 x 3 x 0,75	12,80	106	238	500/1000
376575060	6 x 3 x 0,75	15,60	157	330	500/1000
376575080	8 x 3 x 0,75	17,10	207	400	500/1000
376575100	10 x 3 x 0,75	20,30	258	500	500/1000
376575120	12 x 3 x 0,75	21,00	308	570	500/1000
376575160	16 x 3 x 0,75	23,50	410	743	500/1000
376575200	20 x 3 x 0,75	26,30	511	910	500/1000
376575240	24 x 3 x 0,75	29,50	611	1095	500/1000
376501020	2 x 3 x 1	11,80	70	176	500/1000
376501040	4 x 3 x 1	13,80	135	247	500/1000
376501060	6 x 3 x 1	17,00	200	415	500/1000
376501080	8 x 3 x 1	18,30	266	474	500/1000
376501100	10 x 3 x 1	22,00	331	604	500/1000
376501120	12 x 3 x 1	22,80	396	700	500/1000
376501160	16 x 3 x 1	25,50	526	915	500/1000
376501200	20 x 3 x 1	28,50	658	1123	500/1000
376501240	24 x 3 x 1	32,00	788	1341	500/1000
376513020	2 x 3 x 1,3	12,70	86	205	500/1000
376513040	4 x 3 x 1,3	15,10	168	320	500/1000
376513060	6 x 3 x 1,3	18,30	249	464	500/1000
376513080	8 x 3 x 1,3	20,10	331	570	500/1000
376513100	10 x 3 x 1,3	24,00	414	723	500/1000
376513120	12 x 3 x 1,3	25,00	495	847	500/1000
376513160	16 x 3 x 1,3	28,00	658	1100	500/1000
376513200	20 x 3 x 1,3	31,20	823	1350	500/1000
376513240	24 x 3 x 1,3	35,00	986	1610	500/1000
376515020	2 x 3 x 1,5	13,10	98	209	500/1000
376515040	4 x 3 x 1,5	15,50	191	340	500/1000
376515060	6 x 3 x 1,5	19,00	284	510	500/1000
376515080	8 x 3 x 1,5	20,80	377	630	500/1000
376515100	10 x 3 x 1,5	24,80	471	800	500/1000
376515120	12 x 3 x 1,5	25,70	564	915	500/1000
376515160	16 x 3 x 1,5	28,80	750	1210	500/1000
376515200	20 x 3 x 1,5	32,20	937	1480	500/1000
376515240	24 x 3 x 1,5	36,40	1123	1780	500/1000

RE-2Y(St)YSWAY-fl (MULTICORE)

CU/PE/OSCR/PVC/SWA/PVC



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

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 50290-2-22 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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

APPLICATION

1. Instrumentation and control engineering analog and digital signal transmission
2. In chemistry industry
3. Petrochemistry industry
4. Power plants
5. Natural gas pump stations
6. Indoors and outdoors, dry, damp and wet environments
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-2Y(St)YSWAY-fl (MULTICORE)

CU/PE/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374850020	2 x 0,50	14	5,80	10,40	203	500/1000
374850030	3 x 0,50	18	6,00	10,60	221	500/1000
374850040	4 x 0,50	23	6,50	11,10	239	500/1000
374850050	5 x 0,50	28	7,10	11,90	270	500/1000
374850060	6 x 0,50	32	7,60	12,40	304	500/1000
374850070	7 x 0,50	37	7,60	12,40	308	500/1000
374850100	10 x 0,50	51	9,40	14,20	368	500/1000
374850120	12 x 0,50	60	9,60	14,40	395	500/1000
374850190	19 x 0,50	115	11,20	16,20	485	500/1000
374850240	24 x 0,50	145	13,00	18,00	587	500/1000
374875020	2 x 0,75	19	6,20	10,80	222	500/1000
374875030	3 x 0,75	26	6,40	11,00	238	500/1000
374875040	4 x 0,75	33	6,80	11,40	257	500/1000
374875050	5 x 0,75	40	7,50	12,30	299	500/1000
374875060	6 x 0,75	47	8,10	12,90	328	500/1000
374875070	7 x 0,75	54	8,10	12,90	334	500/1000
374875100	10 x 0,75	75	10,10	14,90	423	500/1000
374875120	12 x 0,75	89	10,40	15,20	449	500/1000
374875190	19 x 0,75	138	12,10	17,10	560	500/1000
374875240	24 x 0,75	173	14,00	19,00	676	500/1000
374801020	2 x 1	23	6,60	11,40	244	500/1000
374801030	3 x 1	32	6,90	11,50	264	500/1000
374801040	4 x 1	41	7,40	12,20	293	500/1000
374801050	5 x 1	50	7,60	12,40	314	500/1000
374801060	6 x 1	60	8,70	13,50	363	500/1000
374801070	7 x 1	69	8,70	13,50	371	500/1000
374801100	10 x 1	97	10,90	15,90	483	500/1000
374801120	12 x 1	115	11,30	16,30	518	500/1000
374801190	19 x 1	180	13,20	18,20	640	500/1000
374801240	24 x 1	225	15,30	21,20	905	500/1000
374815020	2 x 1,5	33	7,20	12,00	276	500/1000
374815030	3 x 1,5	47	7,60	12,40	303	500/1000
374815040	4 x 1,5	61	8,20	13,00	338	500/1000
374815050	5 x 1,5	76	9,00	13,80	383	500/1000
374815060	6 x 1,5	90	9,70	14,50	427	500/1000
374815070	7 x 1,5	104	9,70	14,50	439	500/1000
374815100	10 x 1,5	147	12,20	17,20	572	500/1000
374815120	12 x 1,5	175	12,60	17,60	600	500/1000
374815190	19 x 1,5	274	14,70	19,90	795	500/1000
374815240	24 x 1,5	345	17,20	23,30	1110	500/1000
374825020	2 x 2,5	49	8,50	13,30	332	500/1000
374825030	3 x 2,5	71	8,80	13,60	378	500/1000
374825040	4 x 2,5	93	9,60	14,40	421	500/1000
374825050	5 x 2,5	115	10,60	15,60	491	500/1000
374825060	6 x 2,5	137	11,50	16,50	550	500/1000
374825070	7 x 2,5	159	11,50	16,50	568	500/1000
374825100	10 x 2,5	225	14,60	19,80	756	500/1000
374825120	12 x 2,5	267	15,00	20,20	820	500/1000
374825190	19 x 2,5	423	17,70	23,80	1280	500/1000
374825240	24 x 2,5	533	20,70	27,00	1493	500/1000

RE-2Y(St)YSWAY-fl (MULTIPAIR)

CU/PE/OSCR/PVC/SWA/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath.
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required.

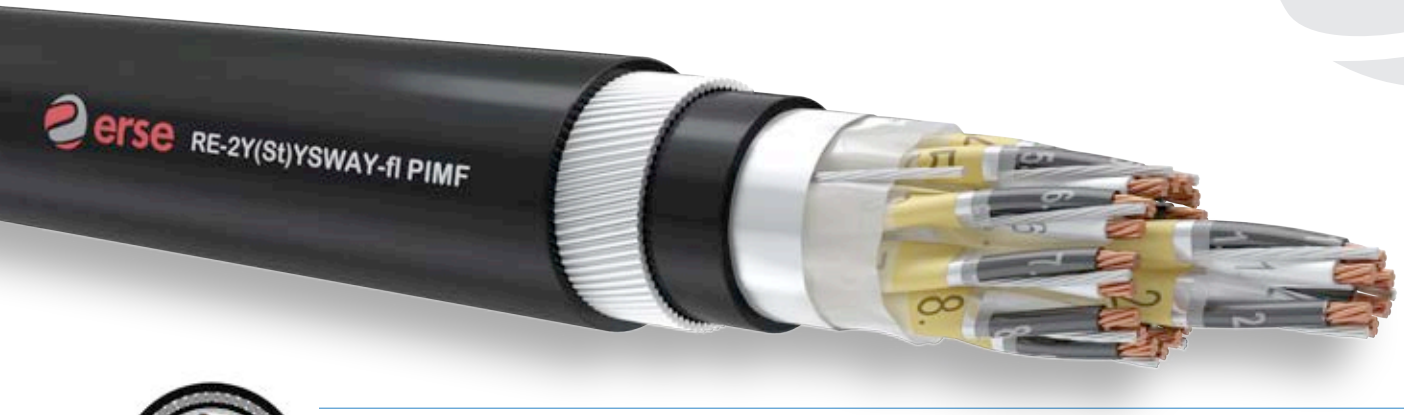
RE-2Y(St)YSWAY-fl (MULTIPAIR)

CU/PE/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
374950010	1 x 2 x 0,50	14	5,80	10,60	212	500/1000
374950020	2 x 2 x 0,50	23	8,00	12,80	295	500/1000
374950040	4 x 2 x 0,50	42	9,20	14,00	360	500/1000
374950060	6 x 2 x 0,50	60	11,00	16,00	455	500/1000
374950080	8 x 2 x 0,50	78	12,10	17,20	510	500/1000
374950100	10 x 2 x 0,50	97	13,60	18,60	579	500/1000
374950120	12 x 2 x 0,50	115	13,90	18,90	615	500/1000
374950160	16 x 2 x 0,50	152	15,80	21,70	852	500/1000
374950200	20 x 2 x 0,50	189	17,70	23,80	990	500/1000
374950240	24 x 2 x 0,50	225	19,10	25,20	1130	500/1000
374975010	1 x 2 x 0,75	19	6,20	10,80	228	500/1000
374975020	2 x 2 x 0,75	33	8,60	13,40	328	500/1000
374975040	4 x 2 x 0,75	60	10,00	14,80	403	500/1000
374975060	6 x 2 x 0,75	88	12,00	17,00	517	500/1000
374975080	8 x 2 x 0,75	117	13,20	18,20	583	500/1000
374975100	10 x 2 x 0,75	144	14,90	20,10	682	500/1000
374975120	12 x 2 x 0,75	173	15,20	21,10	840	500/1000
374975160	16 x 2 x 0,75	229	17,30	23,40	1025	500/1000
374975200	20 x 2 x 0,75	285	19,40	25,50	1190	500/1000
374975240	24 x 2 x 0,75	340	21,00	27,30	1290	500/1000
374901010	1 x 2 x 1	23	6,60	11,40	236	500/1000
374901020	2 x 2 x 1	41	9,20	14,00	360	500/1000
374901040	4 x 2 x 1	77	10,80	15,80	454	500/1000
374901060	6 x 2 x 1	113	13,00	18,00	588	500/1000
374901080	8 x 2 x 1	149	14,30	19,50	670	500/1000
374901100	10 x 2 x 1	185	16,20	22,10	900	500/1000
374901120	12 x 2 x 1	221	16,50	22,40	955	500/1000
374901160	16 x 2 x 1	305	19,10	25,20	1195	500/1000
374901200	20 x 2 x 1	380	21,10	27,40	1365	500/1000
374901240	24 x 2 x 1	455	22,90	29,20	1516	500/1000
374913010	1 x 2 x 1,3	29	7,00	11,80	264	500/1000
374913020	2 x 2 x 1,3	53	9,90	14,70	394	500/1000
374913040	4 x 2 x 1,3	101	11,60	16,60	503	500/1000
374913060	6 x 2 x 1,3	149	14,00	19,00	656	500/1000
374913080	8 x 2 x 1,3	197	15,40	21,30	861	500/1000
374913100	10 x 2 x 1,3	245	17,40	23,50	1019	500/1000
374913120	12 x 2 x 1,3	293	17,80	23,90	1120	500/1000
374913160	16 x 2 x 1,3	389	20,30	26,40	1320	500/1000
374913200	20 x 2 x 1,3	485	22,90	29,20	1542	500/1000
374913240	24 x 2 x 1,3	581	24,80	31,30	1754	500/1000
374915010	1 x 2 x 1,5	33	7,20	12,00	277	500/1000
374915020	2 x 2 x 1,5	61	10,20	15,00	411	500/1000
374915040	4 x 2 x 1,5	117	12,00	17,00	532	500/1000
374915060	6 x 2 x 1,5	173	15,00	20,10	726	500/1000
374915080	8 x 2 x 1,5	229	16,20	22,10	926	500/1000
374915100	10 x 2 x 1,5	285	18,30	24,40	1084	500/1000
374915120	12 x 2 x 1,5	341	19,10	25,20	1195	500/1000
374915160	16 x 2 x 1,5	453	21,10	27,40	1431	500/1000
374915200	20 x 2 x 1,5	565	24,50	31,00	1702	500/1000
374915240	24 x 2 x 1,5	677	27,60	35,00	2185	500/1000

RE-2Y(St)YSWAY-fl PIMF

CU/PE/PSCR/OSCR/PVC/ SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 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
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

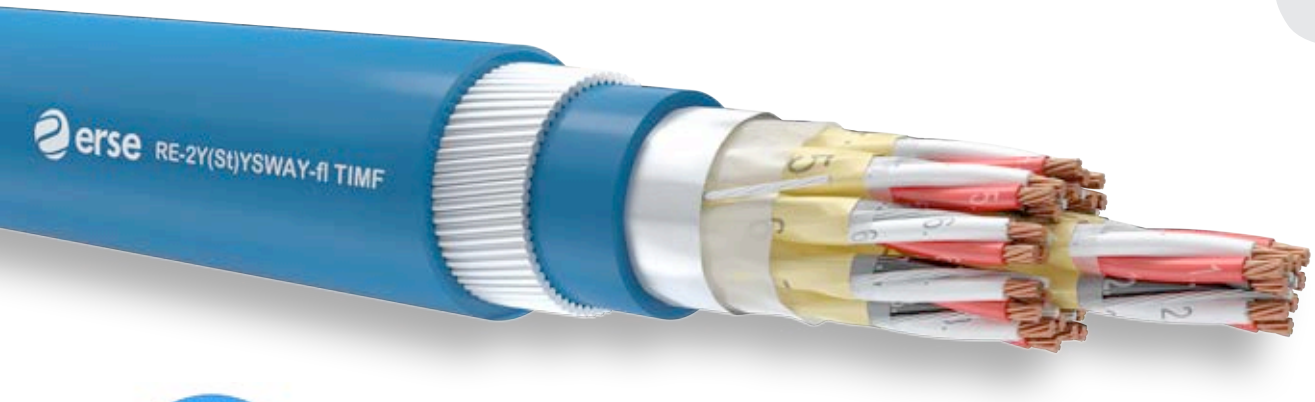
RE-2Y(St)YSWAY-fl PIMF

CU/PE/PSCR/OSCR/PVC/ SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
375050020	2 x 2 x 0,50	32	9,10	14,00	349	500/1000
375050040	4 x 2 x 0,50	60	10,60	15,60	437	500/1000
375050060	6 x 2 x 0,50	88	12,60	17,60	562	500/1000
375050080	8 x 2 x 0,50	115	13,70	18,80	612	500/1000
375050100	10 x 2 x 0,50	143	16,10	22,00	854	500/1000
375050120	12 x 2 x 0,50	170	16,60	22,50	915	500/1000
375050160	16 x 2 x 0,50	225	18,50	24,60	1086	500/1000
375050200	20 x 2 x 0,50	280	20,60	27,00	1250	500/1000
375050240	24 x 2 x 0,50	336	23,00	29,60	1445	500/1000
375075020	2 x 2 x 0,75	42	9,80	14,50	379	500/1000
375075040	4 x 2 x 0,75	79	11,40	16,50	479	500/1000
375075060	6 x 2 x 0,75	116	13,80	18,80	617	500/1000
375075080	8 x 2 x 0,75	154	14,80	20,00	720	500/1000
375075100	10 x 2 x 0,75	191	17,50	24,00	995	500/1000
375075120	12 x 2 x 0,75	228	18,10	24,50	1045	500/1000
375075160	16 x 2 x 0,75	302	20,40	26,50	1250	500/1000
375075200	20 x 2 x 0,75	377	22,50	29,00	1440	500/1000
375075240	24 x 2 x 0,75	451	25,10	31,70	1675	500/1000
375001010	2 x 2 x 1	51	10,50	15,50	421	500/1000
375001040	4 x 2 x 1	98	12,30	17,50	540	500/1000
375001060	6 x 2 x 1	145	14,80	20,00	700	500/1000
375001080	8 x 2 x 1	192	16,10	21,30	900	500/1000
375001100	10 x 2 x 1	239	19,00	25,00	1090	500/1000
375001120	12 x 2 x 1	285	19,60	26,00	1180	500/1000
375001160	16 x 2 x 1	379	21,80	28,10	1408	500/1000
375001200	20 x 2 x 1	473	24,50	31,00	1640	500/1000
375001240	24 x 2 x 1	566	27,50	35,00	2113	500/1000
375013020	2 x 2 x 1,3	63	11,30	16,50	460	500/1000
375013040	4 x 2 x 1,3	120	13,10	18,10	582	500/1000
375013060	6 x 2 x 1,3	179	16,00	21,00	880	500/1000
375013080	8 x 2 x 1,3	237	17,40	23,50	1010	500/1000
375013100	10 x 2 x 1,3	295	20,50	26,50	1210	500/1000
375013120	12 x 2 x 1,3	353	21,00	27,50	1317	500/1000
375013160	16 x 2 x 1,3	467	23,50	30,00	1585	500/1000
375013200	20 x 2 x 1,3	585	26,50	33,40	2031	500/1000
375013240	24 x 2 x 1,3	700	30,00	37,50	2402	500/1000
375015020	2 x 2 x 1,5	70	11,60	16,80	478	500/1000
375015040	4 x 2 x 1,5	135	14,00	19,00	627	500/1000
375015060	6 x 2 x 1,5	200	16,50	22,30	928	500/1000
375015080	8 x 2 x 1,5	265	18,00	24,00	1064	500/1000
375015100	10 x 2 x 1,5	331	21,00	27,50	1286	500/1000
375015120	12 x 2 x 1,5	396	22,00	28,10	1412	500/1000
375015160	16 x 2 x 1,5	526	24,50	31,00	1726	500/1000
375015200	20 x 2 x 1,5	657	27,50	35,00	2213	500/1000
375015240	24 x 2 x 1,5	787	31,00	39,00	2586	500/1000

RE-2Y(St)YSWAY-fl TIMF

CU/PE/TSCR/OSCR/PVC/ SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAP; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-2Y(St)YSWAY-fl TIMF

CU/PE/TSCR/OSCR/PVC/ SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
375150020	2 x 3 x 0,50	42	10,10	14,70	390	500/1000
375150040	4 x 3 x 0,50	79	11,70	16,50	497	500/1000
375150060	6 x 3 x 0,50	116	14,00	18,80	637	500/1000
375150080	8 x 3 x 0,50	152	15,20	20,90	835	500/1000
375150100	10 x 3 x 0,50	189	18,00	24,00	1007	500/1000
375150120	12 x 3 x 0,50	225	18,60	24,80	1083	500/1000
375150160	16 x 3 x 0,50	299	20,70	27,40	1290	500/1000
375150200	20 x 3 x 0,50	373	23,10	29,50	1496	500/1000
375150240	24 x 3 x 0,50	447	25,90	33,00	1903	500/1000
375175020	2 x 3 x 0,75	55	10,90	15,90	432	500/1000
375175040	4 x 3 x 0,75	106	12,90	17,70	557	500/1000
375175060	6 x 3 x 0,75	157	15,50	21,00	840	500/1000
375175080	8 x 3 x 0,75	207	16,80	22,50	940	500/1000
375175100	10 x 3 x 0,75	258	19,80	25,70	1160	500/1000
375175120	12 x 3 x 0,75	308	20,50	26,40	1260	500/1000
375175160	16 x 3 x 0,75	410	22,80	28,90	1500	500/1000
375175200	20 x 3 x 0,75	511	25,40	31,70	1760	500/1000
375175240	24 x 3 x 0,75	611	28,80	36,00	2300	500/1000
375101020	2 x 3 x 1	70	11,90	16,70	478	500/1000
375101040	4 x 3 x 1	135	13,70	18,70	621	500/1000
375101060	6 x 3 x 1	200	16,60	22,30	925	500/1000
375101080	8 x 3 x 1	266	18,00	23,90	1072	500/1000
375101100	10 x 3 x 1	331	20,70	27,40	1308	500/1000
375101120	12 x 3 x 1	396	22,00	28,10	1415	500/1000
375101160	16 x 3 x 1	526	24,80	31,10	1738	500/1000
375101200	20 x 3 x 1	658	27,40	34,40	2200	500/1000
375101240	24 x 3 x 1	788	31,10	38,50	2610	500/1000
375113020	2 x 3 x 1,3	86	12,80	17,60	526	500/1000
375113040	4 x 3 x 1,3	168	15,00	20,00	700	500/1000
375113060	6 x 3 x 1,3	249	18,00	23,90	1062	500/1000
375113080	8 x 3 x 1,3	331	19,60	25,50	1211	500/1000
375113100	10 x 3 x 1,3	425	23,20	29,30	1500	500/1000
375113120	12 x 3 x 1,3	526	24,00	30,10	1610	500/1000
375113160	16 x 3 x 1,3	658	26,80	33,80	2180	500/1000
375113200	20 x 3 x 1,3	823	30,30	37,50	2600	500/1000
375113240	24 x 3 x 1,3	986	33,90	41,30	3030	500/1000
375115020	2 x 3 x 1,5	98	13,20	18,00	545	500/1000
375115040	4 x 3 x 1,5	191	15,40	20,40	744	500/1000
375115060	6 x 3 x 1,5	284	18,60	24,50	1127	500/1000
375115080	8 x 3 x 1,5	377	20,20	26,10	1291	500/1000
375115100	10 x 3 x 1,5	471	23,90	30,00	1570	500/1000
375115120	12 x 3 x 1,5	564	24,80	31,10	1750	500/1000
375115160	16 x 3 x 1,5	750	28,10	35,30	2370	500/1000
375115200	20 x 3 x 1,5	937	31,30	38,70	2760	500/1000
375115240	24 x 3 x 1,5	1123	35,00	42,60	3220	500/1000

RE-2Y(St)H (MULTICORE)

CU/PE/OSCR/LSZH

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

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 IMPRINTED
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 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	40	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)H (MULTICORE)

CU/PE/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376650020	2 x 0,50	5,60	14	44	500/1000
376650030	3 x 0,50	5,80	18	49	500/1000
376650040	4 x 0,50	6,30	23	57	500/1000
376650050	5 x 0,50	6,90	28	67	500/1000
376650060	6 x 0,50	7,40	32	76	500/1000
376650070	7 x 0,50	7,40	37	82	500/1000
376650100	10 x 0,50	9,40	51	112	500/1000
376650120	12 x 0,50	9,60	60	132	500/1000
376650190	19 x 0,50	11,50	90	197	500/1000
376650240	24 x 0,50	13,20	120	243	500/1000
376675020	2 x 0,75	6,00	19	49	500/1000
376675030	3 x 0,75	6,20	26	58	500/1000
376675040	4 x 0,75	6,60	33	71	500/1000
376675050	5 x 0,75	7,30	40	85	500/1000
376675060	6 x 0,75	7,90	47	100	500/1000
376675070	7 x 0,75	7,90	54	107	500/1000
376675100	10 x 0,75	10,10	75	150	500/1000
376675120	12 x 0,75	10,40	89	170	500/1000
376675190	19 x 0,75	12,30	138	255	500/1000
376675240	24 x 0,75	14,40	173	320	500/1000
376601020	2 x 1	6,40	23	57	500/1000
376601030	3 x 1	6,70	32	69	500/1000
376601040	4 x 1	7,20	41	87	500/1000
376601050	5 x 1	7,40	50	96	500/1000
376601060	6 x 1	8,70	60	119	500/1000
376601070	7 x 1	8,70	69	128	500/1000
376601100	10 x 1	11,10	97	192	500/1000
376601120	12 x 1	11,50	115	216	500/1000
376601190	19 x 1	13,40	180	315	500/1000
376601240	24 x 1	15,70	225	398	500/1000
376615020	2 x 1,5	7,00	33	69	500/1000
376615030	3 x 1,5	7,40	47	89	500/1000
376615040	4 x 1,5	8,00	61	109	500/1000
376615050	5 x 1,5	9,00	76	134	500/1000
376615060	6 x 1,5	9,70	90	160	500/1000
376615070	7 x 1,5	9,70	104	174	500/1000
376615100	10 x 1,5	12,40	147	245	500/1000
376615120	12 x 1,5	12,80	175	285	500/1000
376615190	19 x 1,5	15,10	274	435	500/1000
376615240	24 x 1,5	17,80	345	544	500/1000
376625020	2 x 2,5	8,50	49	98	500/1000
376625030	3 x 2,5	8,80	71	127	500/1000
376625040	4 x 2,5	9,60	93	159	500/1000
376625050	5 x 2,5	10,60	115	195	500/1000
376625060	6 x 2,5	11,70	137	236	500/1000
376625070	7 x 2,5	11,70	159	260	500/1000
376625100	10 x 2,5	15,00	225	364	500/1000
376625120	12 x 2,5	15,40	267	428	500/1000
376625190	19 x 2,5	18,30	423	650	500/1000
376625240	24 x 2,5	21,50	533	810	500/1000

RE-2Y(St)H (MULTIPAIR)

CU/PE/OSCR/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
5 - Wrapping	PES TAPE
6 - Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7 - Sheath	EN 50290-2-27 LSZH COMPOUND
8 - Sheath Colour	RAL 5015* BLUE / RAL 7001* GREY / RAL 9005* BLACK

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)H (MULTIPAIR)

CU/PE/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376750010	1 x 2 x 0,50	5,60	14	44	500/1000
376750020	2 x 2 x 0,50	8,20	23	70	500/1000
376750040	4 x 2 x 0,50	9,40	42	98	500/1000
376750060	6 x 2 x 0,50	11,20	60	154	500/1000
376750080	8 x 2 x 0,50	12,30	78	177	500/1000
376750100	10 x 2 x 0,50	14,00	97	219	500/1000
376750120	12 x 2 x 0,50	14,30	115	248	500/1000
376750160	16 x 2 x 0,50	16,40	152	326	500/1000
376750200	20 x 2 x 0,50	18,30	189	388	500/1000
376750240	24 x 2 x 0,50	19,90	225	460	500/1000
376775010	1 x 2 x 0,75	6,00	19	49	500/1000
376775020	2 x 2 x 0,75	9,00	33	89	500/1000
376775040	4 x 2 x 0,75	10,00	60	127	500/1000
376775060	6 x 2 x 0,75	12,20	88	193	500/1000
376775080	8 x 2 x 0,75	13,60	117	231	500/1000
376775100	10 x 2 x 0,75	15,30	144	279	500/1000
376775120	12 x 2 x 0,75	15,80	173	316	500/1000
376775160	16 x 2 x 0,75	18,00	229	418	500/1000
376775200	20 x 2 x 0,75	20,20	285	509	500/1000
376775240	24 x 2 x 0,75	22,00	340	605	500/1000
376701010	1 x 2 x 1	6,40	23	57	500/1000
376701020	2 x 2 x 1	9,60	41	98	500/1000
376701040	4 x 2 x 1	11,00	77	159	500/1000
376701060	6 x 2 x 1	13,50	113	236	500/1000
376701080	8 x 2 x 1	14,70	149	293	500/1000
376701100	10 x 2 x 1	16,80	185	352	500/1000
376701120	12 x 2 x 1	17,10	221	402	500/1000
376701160	16 x 2 x 1	19,90	304	533	500/1000
376701200	20 x 2 x 1	22,10	379	647	500/1000
376701240	24 x 2 x 1	23,90	454	758	500/1000
376713010	1 x 2 x 1,3	6,80	29	88	500/1000
376713020	2 x 2 x 1,3	10,00	53	122	500/1000
376713040	4 x 2 x 1,3	11,80	101	188	500/1000
376713060	6 x 2 x 1,3	14,40	149	289	500/1000
376713080	8 x 2 x 1,3	15,80	197	339	500/1000
376713100	10 x 2 x 1,3	18,00	245	421	500/1000
376713120	12 x 2 x 1,3	18,40	293	483	500/1000
376713160	16 x 2 x 1,3	21,10	389	642	500/1000
376713200	20 x 2 x 1,3	23,90	485	784	500/1000
376713240	24 x 2 x 1,3	26,00	581	934	500/1000
376715010	1 x 2 x 1,5	7,00	33	69	500/1000
376715020	2 x 2 x 1,5	10,50	61	130	500/1000
376715040	4 x 2 x 1,5	12,50	117	210	500/1000
376715060	6 x 2 x 1,5	15,70	173	320	500/1000
376715080	8 x 2 x 1,5	17,00	229	387	500/1000
376715100	10 x 2 x 1,5	19,20	285	479	500/1000
376715120	12 x 2 x 1,5	20,00	341	554	500/1000
376715160	16 x 2 x 1,5	22,20	453	736	500/1000
376715200	20 x 2 x 1,5	25,80	565	894	500/1000
376715240	24 x 2 x 1,5	29,00	677	1080	500/1000

RE-2Y(St)H-PIMF

CU/PE/PSCR/OSCR/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE,SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE / RAL 7001* GREY / RAL 9005* BLACK

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

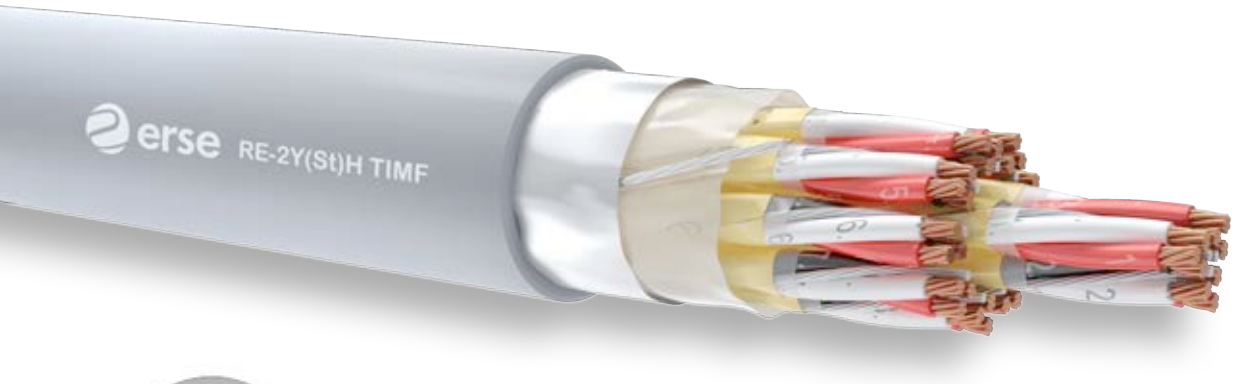
RE-2Y(St)H-PIMF

CU/PE/PSCR/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376850020	2 x 2 x 0,50	9,10	32	94	500/1000
376850040	4 x 2 x 0,50	10,60	60	138	500/1000
376850060	6 x 2 x 0,50	13,00	88	209	500/1000
376850080	8 x 2 x 0,50	14,10	115	251	500/1000
376850100	10 x 2 x 0,50	16,70	143	316	500/1000
376850120	12 x 2 x 0,50	17,20	170	360	500/1000
376850160	16 x 2 x 0,50	19,30	225	470	500/1000
376850200	20 x 2 x 0,50	21,40	280	561	500/1000
376850240	24 x 2 x 0,50	24,00	336	673	500/1000
376875020	2 x 2 x 0,75	9,80	42	107	500/1000
376875040	4 x 2 x 0,75	11,60	79	169	500/1000
376875060	6 x 2 x 0,75	14,10	116	256	500/1000
376875080	8 x 2 x 0,75	15,20	154	300	500/1000
376875100	10 x 2 x 0,75	18,10	191	378	500/1000
376875120	12 x 2 x 0,75	18,70	228	433	500/1000
376875160	16 x 2 x 0,75	21,10	302	568	500/1000
376875200	20 x 2 x 0,75	23,50	377	693	500/1000
376875240	24 x 2 x 0,75	26,30	451	829	500/1000
376801020	2 x 2 x 1	10,50	51	121	500/1000
376801040	4 x 2 x 1	12,50	98	199	500/1000
376801060	6 x 2 x 1	15,20	145	300	500/1000
376801080	8 x 2 x 1	16,70	192	364	500/1000
376801100	10 x 2 x 1	19,70	239	457	500/1000
376801120	12 x 2 x 1	20,40	285	526	500/1000
376801160	16 x 2 x 1	22,80	379	687	500/1000
376801200	20 x 2 x 1	25,60	473	840	500/1000
376801240	24 x 2 x 1	28,70	566	1004	500/1000
376813020	2 x 2 x 1,3	11,50	63	152	500/1000
376813040	4 x 2 x 1,3	13,30	120	229	500/1000
376813060	6 x 2 x 1,3	16,40	179	358	500/1000
376813080	8 x 2 x 1,3	17,80	237	422	500/1000
376813100	10 x 2 x 1,3	21,10	295	531	500/1000
376813120	12 x 2 x 1,3	22,00	353	623	500/1000
376813160	16 x 2 x 1,3	24,70	467	817	500/1000
376813200	20 x 2 x 1,3	27,60	585	995	500/1000
376813240	24 x 2 x 1,3	31,00	700	1192	500/1000
376815020	2 x 2 x 1,5	11,80	70	160	500/1000
376815040	4 x 2 x 1,5	14,10	135	257	500/1000
376815060	6 x 2 x 1,5	16,90	200	387	500/1000
376815080	8 x 2 x 1,5	18,40	265	462	500/1000
376815100	10 x 2 x 1,5	22,00	331	591	500/1000
376815120	12 x 2 x 1,5	22,80	396	682	500/1000
376815160	16 x 2 x 1,5	25,60	526	894	500/1000
376815200	20 x 2 x 1,5	28,70	657	1092	500/1000
376815240	24 x 2 x 1,5	32,10	787	1306	500/1000

RE-2Y(St)H-TIMF

CU/PE/TSCR/OSCR/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE / RAL 7001* GREY / RAL 9005* BLACK

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)H-TIMF

CU/PE/TSCR/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376950020	2 x 3 x 0,50	10,10	42	122	500/1000
376950040	4 x 3 x 0,50	12,00	79	200	500/1000
376950060	6 x 3 x 0,50	14,50	116	280	500/1000
376950080	8 x 3 x 0,50	15,50	152	330	500/1000
376950100	10 x 3 x 0,50	18,60	189	406	500/1000
376950120	12 x 3 x 0,50	19,20	225	465	500/1000
376950160	16 x 3 x 0,50	21,50	299	604	500/1000
376950200	20 x 3 x 0,50	24,10	373	738	500/1000
376950240	24 x 3 x 0,50	27,50	447	900	500/1000
376975020	2 x 3 x 0,75	10,80	55	140	500/1000
376975040	4 x 3 x 0,75	12,80	106	228	500/1000
376975060	6 x 3 x 0,75	15,60	157	346	500/1000
376975080	8 x 3 x 0,75	17,10	207	422	500/1000
376975100	10 x 3 x 0,75	20,30	258	505	500/1000
376975120	12 x 3 x 0,75	21,00	308	580	500/1000
376975160	16 x 3 x 0,75	23,50	410	755	500/1000
376975200	20 x 3 x 0,75	26,30	511	932	500/1000
376975240	24 x 3 x 0,75	29,50	611	1110	500/1000
376901020	2 x 3 x 1	11,80	70	170	500/1000
376901040	4 x 3 x 1	13,80	135	271	500/1000
376901060	6 x 3 x 1	17,00	200	425	500/1000
376901080	8 x 3 x 1	18,30	266	482	500/1000
376901100	10 x 3 x 1	22,00	331	615	500/1000
376901120	12 x 3 x 1	22,80	396	708	500/1000
376901160	16 x 3 x 1	25,50	526	924	500/1000
376901200	20 x 3 x 1	28,50	658	1129	500/1000
376901240	24 x 3 x 1	32,00	788	1350	500/1000
376913020	2 x 3 x 1,3	12,70	86	200	500/1000
376913040	4 x 3 x 1,3	15,10	168	333	500/1000
376913060	6 x 3 x 1,3	18,30	249	500	500/1000
376913080	8 x 3 x 1,3	20,10	331	580	500/1000
376913100	10 x 3 x 1,3	24,00	414	735	500/1000
376913120	12 x 3 x 1,3	25,00	495	850	500/1000
376913160	16 x 3 x 1,3	28,00	658	1115	500/1000
376913200	20 x 3 x 1,3	31,20	823	1358	500/1000
376913240	24 x 3 x 1,3	35,00	986	1622	500/1000
376915020	2 x 3 x 1,5	13,10	98	220	500/1000
376915040	4 x 3 x 1,5	15,50	191	370	500/1000
376915060	6 x 3 x 1,5	19,00	284	520	500/1000
376915080	8 x 3 x 1,5	20,80	377	700	500/1000
376915100	10 x 3 x 1,5	24,80	471	870	500/1000
376915120	12 x 3 x 1,5	25,70	564	1020	500/1000
376915160	16 x 3 x 1,5	28,80	750	1350	500/1000
376915200	20 x 3 x 1,5	32,20	937	1650	500/1000
376915240	24 x 3 x 1,5	36,40	1123	2000	500/1000

RE-2Y(St)HSWAH (MULTICORE)

CU/PE/OSCR/LSZH/SWA/LSZH

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

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 IMPRINTED
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 LSZH COMPOUND
8 - Armour	GALVANIZED ROUND STEEL WIRES
9 - Sheath	EN 50290-2-27 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,4		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 9005 black sheath*: Places where uv resistance is required
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)HSWAH (MULTICORE)

CU/PE/OSCR/LSZH/SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377250020	2 x 0,50	14	5,80	10,40	203	500/1000
377250030	3 x 0,50	18	6,00	10,60	215	500/1000
377250040	4 x 0,50	23	6,50	11,10	230	500/1000
377250050	5 x 0,50	28	7,10	11,90	260	500/1000
377250060	6 x 0,50	32	7,60	12,40	285	500/1000
377250070	7 x 0,50	37	7,60	12,40	390	500/1000
377250100	10 x 0,50	51	9,40	14,20	360	500/1000
377250120	12 x 0,50	92	9,60	14,40	385	500/1000
377250190	19 x 0,50	115	11,20	16,20	485	500/1000
377250240	24 x 0,50	144	13,00	18,00	575	500/1000
377275020	2 x 0,75	19	6,20	10,80	215	500/1000
377275030	3 x 0,75	26	6,40	11,00	230	500/1000
377275040	4 x 0,75	33	6,80	11,40	248	500/1000
377275050	5 x 0,75	40	7,50	12,30	290	500/1000
377275060	6 x 0,75	47	8,10	12,90	315	500/1000
377275070	7 x 0,75	54	8,10	12,90	320	500/1000
377275100	10 x 0,75	75	10,10	14,90	405	500/1000
377275120	12 x 0,75	89	10,40	15,20	435	500/1000
377275190	19 x 0,75	138	12,10	17,10	560	500/1000
377275240	24 x 0,75	173	14,00	19,00	665	500/1000
377201020	2 x 1	23	6,60	11,40	235	500/1000
377201030	3 x 1	32	6,90	11,50	253	500/1000
377201040	4 x 1	41	7,40	12,20	280	500/1000
377201050	5 x 1	50	7,60	12,40	300	500/1000
377201060	6 x 1	60	8,70	13,50	348	500/1000
377201070	7 x 1	69	8,70	13,50	355	500/1000
377201100	10 x 1	97	10,90	15,90	460	500/1000
377201120	12 x 1	115	11,30	16,30	500	500/1000
377201190	19 x 1	180	13,20	18,20	640	500/1000
377201240	24 x 1	225	15,30	21,20	890	500/1000
377215020	2 x 1,5	33	7,20	12,00	268	500/1000
377215030	3 x 1,5	47	7,60	12,40	293	500/1000
377215040	4 x 1,5	61	8,20	13,00	326	500/1000
377215050	5 x 1,5	76	9,00	13,80	370	500/1000
377215060	6 x 1,5	90	9,70	14,50	415	500/1000
377215070	7 x 1,5	104	9,70	14,50	422	500/1000
377215100	10 x 1,5	147	12,20	17,20	555	500/1000
377215120	12 x 1,5	175	12,60	17,60	600	500/1000
377215190	19 x 1,5	274	14,70	19,90	795	500/1000
377215240	24 x 1,5	345	17,20	23,30	1090	500/1000
377225020	2 x 2,5	49	8,50	13,30	320	500/1000
377225030	3 x 2,5	71	8,80	13,60	365	500/1000
377225040	4 x 2,5	93	9,60	14,40	408	500/1000
377225050	5 x 2,5	115	10,60	15,60	475	500/1000
377225060	6 x 2,5	137	11,50	16,50	530	500/1000
377225070	7 x 2,5	159	11,50	16,50	550	500/1000
377225100	10 x 2,5	225	14,60	19,80	740	500/1000
377225120	12 x 2,5	267	15,00	20,20	800	500/1000
377225190	19 x 2,5	423	17,70	23,80	1280	500/1000
377225240	24 x 2,5	533	20,70	27,00	1485	500/1000

RE-2Y(St)HSWAH (MULTIPAIR)

CU/PE/OSCR/LSZH/SWA/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
5 - Wrapping	PES TAPE
6 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
7 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
8 - Armour	GALVANIZED ROUND STEEL WIRES
9 - Sheath	EN 50290-2-27 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 9005 black sheath*: Places where uv resistance is required
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

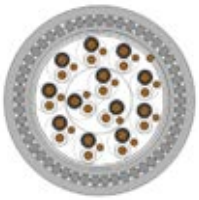
RE-2Y(St)HSWAH (MULTIPAIR)

CU/PE/OSCR/LSZH/SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377350010	1 x 2 x 0,50	14	5,80	10,60	217	500/1000
377350020	2 x 2 x 0,50	23	8,00	12,80	304	500/1000
377350040	4 x 2 x 0,50	42	9,20	14,00	368	500/1000
377350060	6 x 2 x 0,50	60	11,00	16,00	469	500/1000
377350080	8 x 2 x 0,50	78	12,10	17,20	521	500/1000
377350100	10 x 2 x 0,50	97	13,60	18,60	594	500/1000
377350120	12 x 2 x 0,50	115	13,90	18,90	631	500/1000
377350160	16 x 2 x 0,50	152	15,80	21,70	872	500/1000
377350200	20 x 2 x 0,50	189	17,70	23,80	1009	500/1000
377350240	24 x 2 x 0,50	225	19,10	25,20	1130	500/1000
377375010	1 x 2 x 0,75	19	6,20	10,80	234	500/1000
377375020	2 x 2 x 0,75	33	8,60	13,40	338	500/1000
377375040	4 x 2 x 0,75	60	10,00	14,80	415	500/1000
377375060	6 x 2 x 0,75	88	12,00	17,00	531	500/1000
377375080	8 x 2 x 0,75	117	13,20	18,20	598	500/1000
377375100	10 x 2 x 0,75	144	14,90	20,10	699	500/1000
377375120	12 x 2 x 0,75	173	15,20	21,10	855	500/1000
377375160	16 x 2 x 0,75	229	17,30	23,40	1027	500/1000
377375200	20 x 2 x 0,75	285	19,40	25,50	1175	500/1000
377375240	24 x 2 x 0,75	340	21,00	27,30	1325	500/1000
377301010	1 x 2 x 1	23	6,60	11,40	252	500/1000
377301020	2 x 2 x 1	41	9,20	14,00	371	500/1000
377301040	4 x 2 x 1	77	10,80	15,80	467	500/1000
377301060	6 x 2 x 1	113	13,00	18,00	603	500/1000
377301080	8 x 2 x 1	149	14,30	19,50	684	500/1000
377301100	10 x 2 x 1	185	16,20	22,10	910	500/1000
377301120	12 x 2 x 1	221	16,50	22,40	983	500/1000
377301160	16 x 2 x 1	320	19,10	25,20	1196	500/1000
377301200	20 x 2 x 1	390	21,10	27,40	1379	500/1000
377301240	24 x 2 x 1	465	22,90	29,20	1544	500/1000
377313010	1 x 2 x 1,3	29	7,00	11,80	272	500/1000
377313020	2 x 2 x 1,3	53	9,90	14,70	404	500/1000
377313040	4 x 2 x 1,3	101	11,60	16,60	517	500/1000
377313060	6 x 2 x 1,3	149	14,00	19,00	672	500/1000
377313080	8 x 2 x 1,3	197	15,40	21,30	879	500/1000
377313100	10 x 2 x 1,3	245	17,40	23,50	1039	500/1000
377313120	12 x 2 x 1,3	293	17,80	23,90	1120	500/1000
377313160	16 x 2 x 1,3	389	20,30	26,40	1345	500/1000
377313200	20 x 2 x 1,3	485	22,90	29,20	1571	500/1000
377313240	24 x 2 x 1,3	581	24,80	31,30	1785	500/1000
377315010	1 x 2 x 1,5	33	7,20	12,00	286	500/1000
377315020	2 x 2 x 1,5	61	10,20	15,00	422	500/1000
377315040	4 x 2 x 1,5	117	12,00	17,00	545	500/1000
377315060	6 x 2 x 1,5	173	15,00	20,10	741	500/1000
377315080	8 x 2 x 1,5	229	16,20	22,10	945	500/1000
377315100	10 x 2 x 1,5	285	18,30	24,40	1105	500/1000
377315120	12 x 2 x 1,5	341	19,10	25,20	1217	500/1000
377315160	16 x 2 x 1,5	453	21,10	27,40	1457	500/1000
377315200	20 x 2 x 1,5	565	24,50	31,00	1733	500/1000
377315240	24 x 2 x 1,5	677	27,60	35,00	2221	500/1000

RE-2Y(St)HSWAH-PIMF

CU/PE/PSCR/OSCR/LSZH/ SWA/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)HSWAH-PIMF

CU/PE/PSCR/OSCR/LSZH/ SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377450020	2 x 2 x 0,50	32	9,10	14,00	359	500/1000
377450040	4 x 2 x 0,50	60	10,60	15,60	449	500/1000
377450060	6 x 2 x 0,50	88	12,60	17,60	568	500/1000
377450080	8 x 2 x 0,50	115	13,70	18,80	628	500/1000
377450100	10 x 2 x 0,50	143	16,10	22,00	873	500/1000
377450120	12 x 2 x 0,50	170	16,60	22,50	931	500/1000
377450160	16 x 2 x 0,50	225	18,50	24,60	1119	500/1000
377450200	20 x 2 x 0,50	280	20,60	27,00	1280	500/1000
377450240	24 x 2 x 0,50	336	23,00	30,00	1474	500/1000
377475020	2 x 2 x 0,75	42	9,80	14,50	391	500/1000
377475040	4 x 2 x 0,75	79	11,40	16,50	492	500/1000
377475060	6 x 2 x 0,75	116	13,80	18,80	634	500/1000
377475080	8 x 2 x 0,75	154	14,80	20,00	785	500/1000
377475100	10 x 2 x 0,75	191	17,50	24,00	999	500/1000
377475120	12 x 2 x 0,75	228	18,10	24,50	1028	500/1000
377475160	16 x 2 x 0,75	302	20,40	26,50	1271	500/1000
377475200	20 x 2 x 0,75	377	22,50	29,00	1465	500/1000
377475240	24 x 2 x 0,75	451	25,10	31,60	1694	500/1000
377401020	2 x 2 x 1	51	10,50	15,50	432	500/1000
377401040	4 x 2 x 1	98	12,30	17,50	549	500/1000
377401060	6 x 2 x 1	145	14,80	20,00	716	500/1000
377401080	8 x 2 x 1	192	16,10	21,50	916	500/1000
377401100	10 x 2 x 1	239	19,00	25,00	1109	500/1000
377401120	12 x 2 x 1	285	19,60	25,80	1203	500/1000
377401160	16 x 2 x 1	379	21,80	28,10	1434	500/1000
377401200	20 x 2 x 1	473	24,50	31,00	1679	500/1000
377401240	24 x 2 x 1	566	27,50	35,00	2176	500/1000
377413020	2 x 2 x 1,3	63	11,30	16,50	473	500/1000
377413040	4 x 2 x 1,3	120	13,00	18,10	597	500/1000
377413060	6 x 2 x 1,3	179	16,00	21,00	897	500/1000
377413080	8 x 2 x 1,3	237	17,40	23,50	1032	500/1000
377413100	10 x 2 x 1,3	295	20,50	26,50	1234	500/1000
377413120	12 x 2 x 1,3	353	21,00	27,50	1343	500/1000
377413160	16 x 2 x 1,3	467	23,50	30,00	1614	500/1000
377413200	20 x 2 x 1,3	585	26,50	34,00	2065	500/1000
377413240	24 x 2 x 1,3	700	30,00	37,50	2444	500/1000
377415020	2 x 2 x 1,5	70	11,60	16,80	491	500/1000
377415040	4 x 2 x 1,5	135	14,00	19,00	633	500/1000
377415060	6 x 2 x 1,5	200	16,50	22,50	947	500/1000
377415080	8 x 2 x 1,5	265	18,00	23,90	1085	500/1000
377415100	10 x 2 x 1,5	331	21,00	27,50	1311	500/1000
377415120	12 x 2 x 1,5	396	22,00	28,10	1440	500/1000
377415160	16 x 2 x 1,5	526	24,40	31,00	1773	500/1000
377415200	20 x 2 x 1,5	657	27,50	35,00	2237	500/1000
377415240	24 x 2 x 1,5	787	31,00	38,50	2621	500/1000

RE-2Y(St)HSWAH-TIMF

CU/PE/TSCR/OSCR/LSZH/ SWA/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLE IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: In explosive and flare up places as ex-proof connecting, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2Y(St)HSWAH-TIMF

CU/PE/TSCR/OSCR/LSZH/ SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377550020	2 x 3 x 0,50	42	10,40	15,00	401	500/1000
377550040	4 x 3 x 0,50	79	11,70	16,50	510	500/1000
377550060	6 x 3 x 0,50	116	14,00	18,80	651	500/1000
377550080	8 x 3 x 0,50	152	15,20	20,90	851	500/1000
377550100	10 x 3 x 0,50	189	18,00	23,90	1028	500/1000
377550120	12 x 3 x 0,50	225	18,60	24,50	1102	500/1000
377550160	16 x 3 x 0,50	299	20,70	27,10	1324	500/1000
377550200	20 x 3 x 0,50	373	23,10	29,20	1523	500/1000
377550240	24 x 3 x 0,50	447	25,90	32,70	1934	500/1000
377575020	2 x 3 x 0,75	55	10,80	15,60	445	500/1000
377575040	4 x 3 x 0,75	106	12,60	17,40	571	500/1000
377575060	6 x 3 x 0,75	157	15,20	20,90	858	500/1000
377575080	8 x 3 x 0,75	207	16,50	22,20	962	500/1000
377575100	10 x 3 x 0,75	258	19,50	25,40	1170	500/1000
377575120	12 x 3 x 0,75	308	20,20	26,10	1260	500/1000
377575160	16 x 3 x 0,75	410	22,50	28,60	1515	500/1000
377575200	20 x 3 x 0,75	511	25,10	31,40	1785	500/1000
377575240	24 x 3 x 0,75	611	28,50	35,70	2300	500/1000
377501020	2 x 3 x 1	70	11,60	16,40	491	500/1000
377501040	4 x 3 x 1	135	13,40	18,40	637	500/1000
377501060	6 x 3 x 1	200	16,30	22,00	957	500/1000
377501080	8 x 3 x 1	266	17,70	23,60	1093	500/1000
377501100	10 x 3 x 1	331	21,00	27,10	1334	500/1000
377501120	12 x 3 x 1	396	21,70	27,80	1442	500/1000
377501160	16 x 3 x 1	526	24,50	30,80	1768	500/1000
377501200	20 x 3 x 1	658	27,10	34,10	2225	500/1000
377501240	24 x 3 x 1	788	30,80	38,20	2651	500/1000
377513020	2 x 3 x 1,3	86	12,50	17,30	540	500/1000
377513040	4 x 3 x 1,3	168	14,70	19,70	719	500/1000
377513060	6 x 3 x 1,3	249	17,70	23,60	1083	500/1000
377513080	8 x 3 x 1,3	331	19,30	25,20	1233	500/1000
377513100	10 x 3 x 1,3	414	22,90	29,00	1500	500/1000
377513120	12 x 3 x 1,3	495	23,70	29,80	1637	500/1000
377513160	16 x 3 x 1,3	658	26,50	33,50	2180	500/1000
377513200	20 x 3 x 1,3	823	30,00	37,20	2615	500/1000
377513240	24 x 3 x 1,3	986	33,60	41,00	3030	500/1000
377515020	2 x 3 x 1,5	98	12,90	17,70	568	500/1000
377515040	4 x 3 x 1,5	191	15,10	20,10	762	500/1000
377515060	6 x 3 x 1,5	284	18,30	24,20	1149	500/1000
377515080	8 x 3 x 1,5	377	19,90	25,80	1312	500/1000
377515100	10 x 3 x 1,5	471	23,60	29,70	1593	500/1000
377515120	12 x 3 x 1,5	564	24,50	30,80	1762	500/1000
377515160	16 x 3 x 1,5	750	27,80	35,00	2393	500/1000
377515200	20 x 3 x 1,5	937	31,00	38,40	2797	500/1000
377515240	24 x 3 x 1,5	1123	34,70	42,30	3255	500/1000

RE-2Y(St)YQY-fl (MULTIPAIR)

CU/PE/OSCR/PVC/GSWB/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	8X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-2Y(St)YQY-fl (MULTIPAIR)

CU/PE/OSCR/PVC/GSWB/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
375750010	1 x 2 x 0,50	14	5,80	10,00	140	500/1000
375750020	2 x 2 x 0,50	23	8,00	12,20	184	500/1000
375750040	4 x 2 x 0,50	42	9,20	13,40	237	500/1000
375750060	6 x 2 x 0,50	60	11,00	15,40	321	500/1000
375750080	8 x 2 x 0,50	78	12,00	16,50	359	500/1000
375750100	10 x 2 x 0,50	97	13,60	18,00	417	500/1000
375750120	12 x 2 x 0,50	115	14,00	18,30	456	500/1000
375750160	16 x 2 x 0,50	152	15,80	20,40	568	500/1000
375750200	20 x 2 x 0,50	189	17,80	22,50	663	500/1000
375750240	24 x 2 x 0,50	225	19,00	24,00	750	500/1000
375775010	1 x 2 x 0,75	19	6,20	10,20	160	500/1000
375775020	2 x 2 x 0,75	33	8,60	12,80	219	500/1000
375775040	4 x 2 x 0,75	60	10,00	14,20	278	500/1000
375775060	6 x 2 x 0,75	88	12,00	16,40	373	500/1000
375775080	8 x 2 x 0,75	117	13,20	17,60	420	500/1000
375775100	10 x 2 x 0,75	144	15,00	19,50	496	500/1000
375775120	12 x 2 x 0,75	173	15,20	20,00	564	500/1000
375775160	16 x 2 x 0,75	229	17,30	22,20	708	500/1000
375775200	20 x 2 x 0,75	285	19,50	24,30	822	500/1000
375775240	24 x 2 x 0,75	340	21,00	26,00	956	500/1000
375701010	1 x 2 x 1	23	6,60	10,80	180	500/1000
375701020	2 x 2 x 1	41	9,20	13,40	250	500/1000
375701040	4 x 2 x 1	77	10,80	15,20	325	500/1000
375701060	6 x 2 x 1	113	13,00	17,40	428	500/1000
375701080	8 x 2 x 1	149	14,30	19,00	501	500/1000
375701100	10 x 2 x 1	185	16,20	21,00	607	500/1000
375701120	12 x 2 x 1	221	16,50	21,30	672	500/1000
375701160	16 x 2 x 1	293	19,00	24,00	840	500/1000
375701200	20 x 2 x 1	365	21,00	26,20	997	500/1000
375701240	24 x 2 x 1	437	23,00	28,00	1139	500/1000
375713010	1 x 2 x 1,3	29	7,00	11,20	195	500/1000
375713020	2 x 2 x 1,3	53	10,00	14,00	272	500/1000
375713040	4 x 2 x 1,3	101	11,60	16,00	365	500/1000
375713060	6 x 2 x 1,3	149	14,00	18,40	484	500/1000
375713080	8 x 2 x 1,3	197	15,50	20,00	587	500/1000
375713100	10 x 2 x 1,3	245	17,50	22,30	718	500/1000
375713120	12 x 2 x 1,3	293	17,80	22,70	797	500/1000
375713160	16 x 2 x 1,3	389	20,30	25,20	989	500/1000
375713200	20 x 2 x 1,3	485	23,00	28,00	1180	500/1000
375713240	24 x 2 x 1,3	581	25,00	30,00	1369	500/1000
375715010	1 x 2 x 1,5	33	7,20	11,50	215	500/1000
375715020	2 x 2 x 1,5	61	10,20	14,50	300	500/1000
375715040	4 x 2 x 1,5	117	12,00	16,50	385	500/1000
375715060	6 x 2 x 1,5	173	15,00	19,50	535	500/1000
375715080	8 x 2 x 1,5	229	16,20	21,50	652	500/1000
375715100	10 x 2 x 1,5	285	18,30	23,80	784	500/1000
375715120	12 x 2 x 1,5	341	19,00	24,60	879	500/1000
375715160	16 x 2 x 1,5	453	21,00	26,80	1090	500/1000
375715200	20 x 2 x 1,5	565	24,50	30,50	1324	500/1000
375715240	24 x 2 x 1,5	677	27,60	34,40	1589	500/1000

RE-2Y(St)YQY-fl PIMF

CU/PE/PSCR/OSCR/PVC/ GSWB/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-23 PE COMPOUND
3 - Colour Code	BS 5308-1 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
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+70°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	8X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-2Y(St)YQY-fl PIMF

CU/PE/PSCR/OSCR/PVC/ GSWB/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376050020	2 x 2 x 0,50	32	9,10	13,30	213	500/1000
376050040	4 x 2 x 0,50	60	10,60	15,00	296	500/1000
376050060	6 x 2 x 0,50	88	12,60	17,00	377	500/1000
376050080	8 x 2 x 0,50	115	13,70	18,00	441	500/1000
376050100	10 x 2 x 0,50	143	16,10	20,70	570	500/1000
376050120	12 x 2 x 0,50	170	16,60	21,20	680	500/1000
376050160	16 x 2 x 0,50	225	18,50	23,30	800	500/1000
376050200	20 x 2 x 0,50	280	20,60	25,60	913	500/1000
376050240	24 x 2 x 0,50	336	23,00	28,20	1064	500/1000
376075020	2 x 2 x 0,75	42	10,40	13,80	244	500/1000
376075040	4 x 2 x 0,75	79	12,50	15,80	346	500/1000
376075060	6 x 2 x 0,75	116	13,70	18,00	446	500/1000
376075080	8 x 2 x 0,75	154	14,80	19,40	514	500/1000
376075100	10 x 2 x 0,75	191	17,50	22,30	644	500/1000
376075120	12 x 2 x 0,75	228	18,10	23,00	713	500/1000
376075160	16 x 2 x 0,75	302	20,30	25,00	891	500/1000
376075200	20 x 2 x 0,75	377	22,50	27,50	1060	500/1000
376075240	24 x 2 x 0,75	451	25,10	30,30	1251	500/1000
376001020	2 x 2 x 1	51	10,50	14,90	286	500/1000
376001040	4 x 2 x 1	98	13,50	16,70	380	500/1000
376001060	6 x 2 x 1	145	14,80	19,40	505	500/1000
376001080	8 x 2 x 1	192	16,10	20,00	630	500/1000
376001100	10 x 2 x 1	239	18,90	23,70	769	500/1000
376001120	12 x 2 x 1	285	19,60	22,40	854	500/1000
376001160	16 x 2 x 1	379	21,80	26,80	1049	500/1000
376001200	20 x 2 x 1	473	24,40	29,60	1199	500/1000
376001240	24 x 2 x 1	566	27,30	32,70	1474	500/1000
376013020	2 x 2 x 1,3	63	11,30	15,70	316	500/1000
376013040	4 x 2 x 1,3	120	14,00	17,50	420	500/1000
376013060	6 x 2 x 1,3	179	14,50	19,70	613	500/1000
376013080	8 x 2 x 1,3	237	17,20	22,00	722	500/1000
376013100	10 x 2 x 1,3	295	20,30	25,00	880	500/1000
376013120	12 x 2 x 1,3	353	21,00	26,00	987	500/1000
376013160	16 x 2 x 1,3	467	23,50	28,50	1201	500/1000
376013200	20 x 2 x 1,3	585	26,20	31,40	1483	500/1000
376013240	24 x 2 x 1,3	700	29,80	35,20	1776	500/1000
376015020	2 x 2 x 1,5	70	11,60	16,00	330	500/1000
376015040	4 x 2 x 1,5	135	14,50	18,00	451	500/1000
376015060	6 x 2 x 1,5	200	16,30	20,90	650	500/1000
376015080	8 x 2 x 1,5	265	17,80	22,60	762	500/1000
376015100	10 x 2 x 1,5	331	21,00	26,00	933	500/1000
376015120	12 x 2 x 1,5	396	21,80	26,80	1053	500/1000
376015160	16 x 2 x 1,5	526	24,40	29,60	1314	500/1000
376015200	20 x 2 x 1,5	657	27,30	32,70	1597	500/1000
376015240	24 x 2 x 1,5	787	30,90	36,50	1944	500/1000

RE-2X(St)Y-fl (MULTICORE)

CU/XLPE/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED
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

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)Y-fl (MULTICORE)

CU/XLPE/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377850020	2 x 0,50	5,60	14	44	500/1000
377850030	3 x 0,50	5,80	18	49	500/1000
377850040	4 x 0,50	6,30	23	57	500/1000
377850050	5 x 0,50	6,90	28	67	500/1000
377850060	6 x 0,50	7,40	32	76	500/1000
377850070	7 x 0,50	7,40	37	82	500/1000
377850100	10 x 0,50	9,40	51	112	500/1000
377850120	12 x 0,50	9,60	60	132	500/1000
377850190	19 x 0,50	11,50	115	197	500/1000
377850240	24 x 0,50	13,20	144	243	500/1000
377875020	2 x 0,75	6,00	19	49	500/1000
377875030	3 x 0,75	6,20	26	58	500/1000
377875040	4 x 0,75	6,60	33	71	500/1000
377875050	5 x 0,75	7,30	40	85	500/1000
377875060	6 x 0,75	7,90	47	100	500/1000
377875070	7 x 0,75	7,90	54	107	500/1000
377875100	10 x 0,75	10,10	75	150	500/1000
377875120	12 x 0,75	10,40	89	170	500/1000
377875190	19 x 0,75	12,30	138	255	500/1000
377875240	24 x 0,75	14,40	173	320	500/1000
377801020	2 x 1	6,40	23	57	500/1000
377801030	3 x 1	6,70	32	69	500/1000
377801040	4 x 1	7,20	41	87	500/1000
377801050	5 x 1	7,40	50	96	500/1000
377801060	6 x 1	8,70	60	119	500/1000
377801070	7 x 1	8,70	69	128	500/1000
377801100	10 x 1	11,10	97	192	500/1000
377801120	12 x 1	11,50	115	216	500/1000
377801190	19 x 1	13,40	180	315	500/1000
377801240	24 x 1	15,70	225	398	500/1000
377815020	2 x 1,5	7,00	33	69	500/1000
377815030	3 x 1,5	7,40	47	89	500/1000
377815040	4 x 1,5	8,00	61	109	500/1000
377815050	5 x 1,5	9,00	76	134	500/1000
377815060	6 x 1,5	9,70	90	160	500/1000
377815070	7 x 1,5	9,70	104	174	500/1000
377815100	10 x 1,5	12,40	147	245	500/1000
377815120	12 x 1,5	12,80	175	285	500/1000
377815190	19 x 1,5	15,10	274	435	500/1000
377815240	24 x 1,5	17,80	345	544	500/1000
377825020	2 x 2,5	8,50	49	98	500/1000
377825030	3 x 2,5	8,80	71	127	500/1000
377825040	4 x 2,5	9,60	93	159	500/1000
377825050	5 x 2,5	10,60	115	195	500/1000
377825060	6 x 2,5	11,70	137	236	500/1000
377825070	7 x 2,5	11,70	159	260	500/1000
377825100	10 x 2,5	15,00	225	364	500/1000
377825120	12 x 2,5	15,40	267	428	500/1000
377825190	19 x 2,5	18,30	423	650	500/1000
377825240	24 x 2,5	21,50	533	810	500/1000

RE-2X(St)Y-fl (MULTIPAIR)

CU/XLPE/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)Y-fl (MULTIPAIR)

CU/XLPE/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
377950010	1 x 2 x 0,50	5,60	14	44	500/1000
377950020	2 x 2 x 0,50	7,80	23	68	500/1000
377950040	4 x 2 x 0,50	9,20	42	98	500/1000
377950060	6 x 2 x 0,50	11,20	60	158	500/1000
377950080	8 x 2 x 0,50	12,30	78	173	500/1000
377950100	10 x 2 x 0,50	14,00	97	214	500/1000
377950120	12 x 2 x 0,50	14,30	115	242	500/1000
377950160	16 x 2 x 0,50	16,40	152	319	500/1000
377950200	20 x 2 x 0,50	18,30	189	380	500/1000
377950240	24 x 2 x 0,50	19,90	225	451	500/1000
377975010	1 x 2 x 0,75	6,00	19	49	500/1000
377975020	2 x 2 x 0,75	8,60	33	78	500/1000
377975040	4 x 2 x 0,75	10,00	60	117	500/1000
377975060	6 x 2 x 0,75	12,20	88	189	500/1000
377975080	8 x 2 x 0,75	13,60	117	225	500/1000
377975100	10 x 2 x 0,75	15,30	144	272	500/1000
377975120	12 x 2 x 0,75	15,80	173	310	500/1000
377975160	16 x 2 x 0,75	18,00	229	410	500/1000
377975200	20 x 2 x 0,75	20,20	285	500	500/1000
377975240	24 x 2 x 0,75	22,00	340	594	500/1000
377901010	1 x 2 x 1	6,40	23	57	500/1000
377901020	2 x 2 x 1	9,20	41	98	500/1000
377901040	4 x 2 x 1	11,00	77	155	500/1000
377901060	6 x 2 x 1	13,20	113	231	500/1000
377901080	8 x 2 x 1	14,70	149	277	500/1000
377901100	10 x 2 x 1	16,80	185	345	500/1000
377901120	12 x 2 x 1	17,10	221	394	500/1000
377901160	16 x 2 x 1	19,90	304	524	500/1000
377901200	20 x 2 x 1	22,10	379	636	500/1000
377901240	24 x 2 x 1	23,90	453	746	500/1000
377913010	1 x 2 x 1,3	6,80	29	88	500/1000
377913020	2 x 2 x 1,3	10,00	53	112	500/1000
377913040	4 x 2 x 1,3	11,80	101	184	500/1000
377913060	6 x 2 x 1,3	14,40	149	283	500/1000
377913080	8 x 2 x 1,3	15,80	197	333	500/1000
377913100	10 x 2 x 1,3	18,00	245	413	500/1000
377913120	12 x 2 x 1,3	18,40	293	476	500/1000
377913160	16 x 2 x 1,3	21,10	389	632	500/1000
377913200	20 x 2 x 1,3	23,90	485	772	500/1000
377913240	24 x 2 x 1,3	26,00	581	918	500/1000
377915010	1 x 2 x 1,5	7,00	33	67	500/1000
377915020	2 x 2 x 1,5	10,20	61	130	500/1000
377915040	4 x 2 x 1,5	12,20	117	210	500/1000
377915060	6 x 2 x 1,5	15,30	173	314	500/1000
377915080	8 x 2 x 1,5	16,80	229	380	500/1000
377915100	10 x 2 x 1,5	19,10	285	470	500/1000
377915120	12 x 2 x 1,5	19,90	341	544	500/1000
377915160	16 x 2 x 1,5	22,10	453	710	500/1000
377915200	20 x 2 x 1,5	25,70	565	880	500/1000
377915240	24 x 2 x 1,5	29,00	677	1055	500/1000

RE-2X(St)Y-fl PIMF

CU/XLPE/PSCR/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK AND WHITE; EACH PAIR NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

RE-2X(St)Y-fl PIMF

CU/XLPE/PSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378250020	2 x 2 x 0,50	9,10	32	88	500/1000
378250040	4 x 2 x 0,50	10,60	60	127	500/1000
378250060	6 x 2 x 0,50	13,00	88	215	500/1000
378250080	8 x 2 x 0,50	14,10	115	266	500/1000
378250100	10 x 2 x 0,50	16,80	143	321	500/1000
378250120	12 x 2 x 0,50	17,20	170	363	500/1000
378250160	16 x 2 x 0,50	19,30	225	471	500/1000
378250200	20 x 2 x 0,50	21,40	280	568	500/1000
378250240	24 x 2 x 0,50	24,00	336	675	500/1000
378275020	2 x 2 x 0,75	9,80	42	107	500/1000
378275040	4 x 2 x 0,75	11,60	79	175	500/1000
378275060	6 x 2 x 0,75	14,10	116	261	500/1000
378275080	8 x 2 x 0,75	15,20	154	304	500/1000
378275100	10 x 2 x 0,75	18,10	191	380	500/1000
378275120	12 x 2 x 0,75	18,70	228	435	500/1000
378275160	16 x 2 x 0,75	21,10	302	470	500/1000
378275200	20 x 2 x 0,75	23,50	377	691	500/1000
378275240	24 x 2 x 0,75	26,30	451	825	500/1000
378201020	2 x 2 x 1	10,50	51	135	500/1000
378201040	4 x 2 x 1	12,50	98	205	500/1000
378201060	6 x 2 x 1	15,20	145	306	500/1000
378201080	8 x 2 x 1	16,70	192	367	500/1000
378201100	10 x 2 x 1	19,70	239	460	500/1000
378201120	12 x 2 x 1	20,40	285	527	500/1000
378201160	16 x 2 x 1	22,80	379	688	500/1000
378201200	20 x 2 x 1	25,60	473	836	500/1000
378201240	24 x 2 x 1	28,70	566	997	500/1000
378213020	2 x 2 x 1,3	11,50	63	140	500/1000
378213040	4 x 2 x 1,3	13,30	120	234	500/1000
378213060	6 x 2 x 1,3	16,40	179	364	500/1000
378213080	8 x 2 x 1,3	17,80	237	425	500/1000
378213100	10 x 2 x 1,3	21,10	295	533	500/1000
378213120	12 x 2 x 1,3	22,00	353	627	500/1000
378213160	16 x 2 x 1,3	24,70	467	8114	500/1000
378213200	20 x 2 x 1,3	27,60	585	990	500/1000
378213240	24 x 2 x 1,3	31,00	700	1184	500/1000
378215010	2 x 2 x 1,5	11,80	70	160	500/1000
378215040	4 x 2 x 1,5	14,10	135	245	500/1000
378215060	6 x 2 x 1,5	16,90	200	391	500/1000
378215080	8 x 2 x 1,5	18,40	265	465	500/1000
378215100	10 x 2 x 1,5	22,00	331	590	500/1000
378215120	12 x 2 x 1,5	22,80	396	683	500/1000
378215160	16 x 2 x 1,5	25,60	526	896	500/1000
378215200	20 x 2 x 1,5	28,70	657	1086	500/1000
378215240	24 x 2 x 1,5	32,10	787	1299	500/1000

RE-2X(St)Y-fl TIMF

CU/XLPE/TSCR/OSCR/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0.50	6.0		Cr./Cr.=2000 V	
0,75	25	0.75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1.0	16			
1,3	40	1.3	18			
1,5	40	1.5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Yv*: Reinforced sheath version available on request
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7032 grey sheath*: Inside of buildings

RE-2X(St)Y-fl TIMF

CU/XLPE/TSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378350020	2 x 3 x 0,50	10,10	42	122	500/1000
378350040	4 x 3 x 0,50	12,00	79	190	500/1000
378350060	6 x 3 x 0,50	14,50	116	270	500/1000
378350080	8 x 3 x 0,50	15,70	152	330	500/1000
378350100	10 x 3 x 0,50	18,70	189	412	500/1000
378350120	12 x 3 x 0,50	19,20	225	456	500/1000
378350160	16 x 3 x 0,50	21,50	299	594	500/1000
378350200	20 x 3 x 0,50	24,20	373	726	500/1000
378350240	24 x 3 x 0,50	27,50	447	871	500/1000
378375020	2 x 3 x 0,75	10,80	55	140	500/1000
378375040	4 x 3 x 0,75	12,80	106	228	500/1000
378375060	6 x 3 x 0,75	15,60	157	332	500/1000
378375080	8 x 3 x 0,75	17,10	207	404	500/1000
378375100	10 x 3 x 0,75	20,30	258	511	500/1000
378375120	12 x 3 x 0,75	21,00	308	570	500/1000
378375160	16 x 3 x 0,75	23,50	410	743	500/1000
378375200	20 x 3 x 0,75	26,30	511	908	500/1000
378375240	24 x 3 x 0,75	29,50	611	1085	500/1000
378301020	2 x 3 x 1	11,80	70	170	500/1000
378301040	4 x 3 x 1	13,80	135	256	500/1000
378301060	6 x 3 x 1	17,00	200	405	500/1000
378301080	8 x 3 x 1	18,30	266	474	500/1000
378301100	10 x 3 x 1	22,00	331	604	500/1000
378301120	12 x 3 x 1	22,80	396	700	500/1000
378301160	16 x 3 x 1	25,50	526	911	500/1000
378301200	20 x 3 x 1	28,50	658	1123	500/1000
378301240	24 x 3 x 1	32,00	788	1331	500/1000
378313020	2 x 3 x 1,3	12,70	86	210	500/1000
378313040	4 x 3 x 1,3	15,10	168	320	500/1000
378313060	6 x 3 x 1,3	18,30	249	475	500/1000
378313080	8 x 3 x 1,3	20,10	331	570	500/1000
378313100	10 x 3 x 1,3	24,00	414	713	500/1000
378313120	12 x 3 x 1,3	25,00	495	837	500/1000
378313160	16 x 3 x 1,3	28,00	658	1095	500/1000
378313200	20 x 3 x 1,3	31,20	823	1340	500/1000
378313240	24 x 3 x 1,3	35,00	986	1600	500/1000
378315020	2 x 3 x 1,5	13,20	98	209	500/1000
378315040	4 x 3 x 1,5	15,50	191	340	500/1000
378315060	6 x 3 x 1,5	19,00	284	512	500/1000
378315080	8 x 3 x 1,5	20,80	377	655	500/1000
378315100	10 x 3 x 1,5	24,80	471	793	500/1000
378315120	12 x 3 x 1,5	25,70	564	920	500/1000
378315160	16 x 3 x 1,5	28,80	750	1200	500/1000
378315200	20 x 3 x 1,5	32,20	937	1475	500/1000
378315240	24 x 3 x 1,5	36,40	1123	1780	500/1000

RE-2X(St)YSWAY-fl (MULTICORE)

CU/XLPE/OSCR/PVC/SWA/PVC

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE 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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

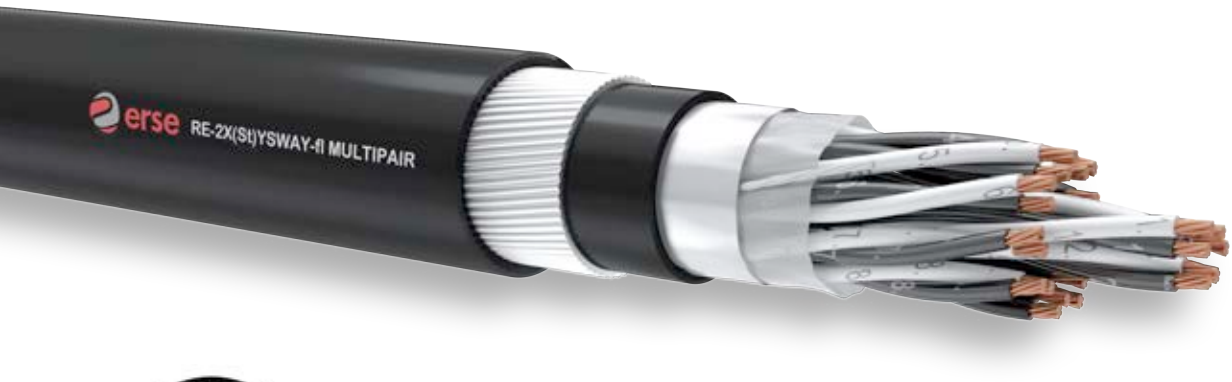
RE-2X(St)YSWAY-fl (MULTICORE)

CU/XLPE/OSCR/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378450020	2 x 0,50	14	5,80	10,40	203	500/1000
378450030	3 x0,50	18	6,00	10,60	215	500/1000
378450040	4 x 0,50	23	6,50	11,10	230	500/1000
378450050	5 x0,50	28	7,10	11,90	260	500/1000
378450060	6 x 0,50	32	7,60	12,40	285	500/1000
378450070	7 x0,50	37	7,60	12,40	345	500/1000
378450100	10 x 0,50	51	9,40	14,20	360	500/1000
378450120	12 x0,50	92	9,60	14,40	385	500/1000
378450190	19 x 0,50	95	11,20	16,20	485	500/1000
378450240	24 x0,50	125	13,00	18,00	599	500/1000
378475020	2 x 0,75	19	6,20	10,80	215	500/1000
378475030	3 x 0,75	26	6,40	11,00	230	500/1000
378475040	4 x 0,75	33	6,80	11,40	248	500/1000
378475050	5 x 0,75	40	7,50	12,30	290	500/1000
378475060	6 x 0,75	47	8,10	12,90	338	500/1000
378475070	7 x 0,75	54	8,10	12,90	344	500/1000
378475100	10 x 0,75	75	10,10	14,90	433	500/1000
378475120	12 x 0,75	89	10,40	15,20	465	500/1000
378475190	19 x 0,75	138	12,10	17,10	560	500/1000
378475240	24 x 0,75	173	14,00	19,00	665	500/1000
378401020	2 x 1	23	6,60	11,40	235	500/1000
378401030	3 x 1	32	6,90	11,50	253	500/1000
378401040	4 x 1	41	7,40	12,20	280	500/1000
378401050	5 x 1	50	7,60	12,40	300	500/1000
378401060	6 x 1	60	8,70	13,50	378	500/1000
378401070	7 x 1	69	8,70	13,50	381	500/1000
378401080	10 x 1	97	10,90	15,90	495	500/1000
378401100	12 x 1	115	11,30	16,30	500	500/1000
378401190	19 x 1	180	13,20	18,20	640	500/1000
378401240	24 x 1	225	15,30	21,20	915	500/1000
378415020	2 x 1,5	33	7,20	12,00	268	500/1000
378415030	3 x 1,5	47	7,60	12,40	318	500/1000
378415040	4 x 1,5	61	8,20	13,00	348	500/1000
378415050	5 x 1,5	76	9,00	13,80	393	500/1000
378415060	6 x 1,5	90	9,70	14,50	440	500/1000
378415070	7 x 1,5	104	9,70	14,50	450	500/1000
378415100	10 x 1,5	147	12,20	17,20	586	500/1000
378415120	12 x 1,5	175	12,60	17,60	600	500/1000
378415190	19 x 1,5	274	14,70	19,90	795	500/1000
378415240	24 x 1,5	345	17,20	23,30	1125	500/1000
378425020	2 x 2,5	49	8,50	13,30	320	500/1000
378425030	3 x 2,5	71	8,80	13,60	378	500/1000
378425040	4 x 2,5	93	9,60	14,40	431	500/1000
378425050	5 x 2,5	115	10,60	15,60	500	500/1000
378425060	6 x 2,5	137	11,50	16,50	560	500/1000
378425070	7 x 2,5	159	11,50	16,50	568	500/1000
378425100	10 x 2,5	225	14,60	19,80	766	500/1000
378425120	12 x 2,5	267	15,00	20,20	820	500/1000
378425190	19 x 2,5	423	17,70	23,80	1280	500/1000
378425240	24 x 2,5	533	20,70	27,00	1485	500/1000

RE-2X(St)YSWAY-fl (MULTIPAIR)

CU/XLPE/OSCR/PVC/SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE; EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	μH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
7. Gas Stations
8. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

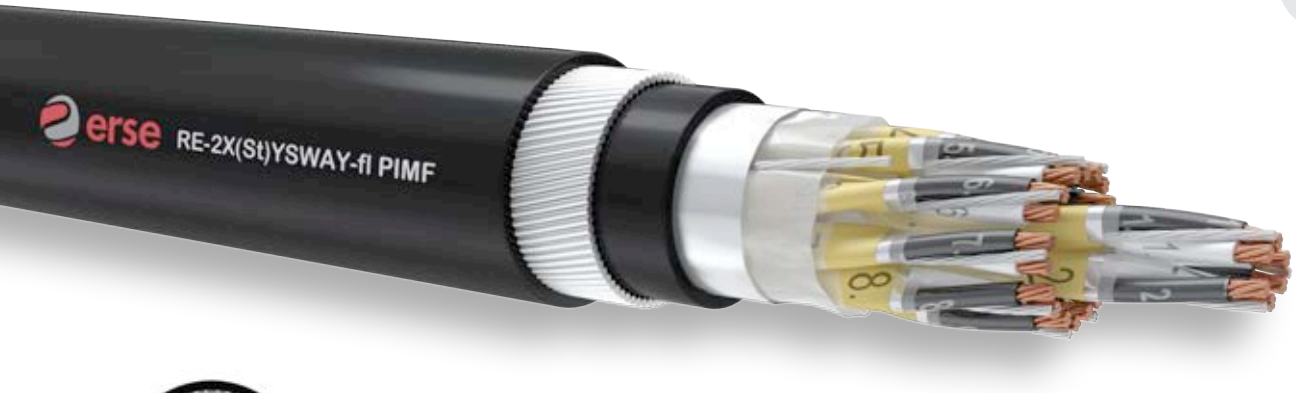
RE-2X(St)YSWAY-fl (MULTIPAIR)

CU/XLPE/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378550010	1 x 2 x 0,50	14	5,80	10,60	200	500/1000
378550020	2 x 2 x 0,50	23	8,00	12,80	280	500/1000
378550040	4 x 2 x 0,50	42	9,20	14,00	358	500/1000
378550060	6 x 2 x 0,50	60	11,00	16,00	445	500/1000
378550080	8 x 2 x 0,50	78	12,10	17,20	518	500/1000
378550100	10 x 2 x 0,50	97	13,60	18,60	579	500/1000
378550120	12 x 2 x 0,50	115	13,90	18,90	629	500/1000
378550160	16 x 2 x 0,50	152	15,80	21,70	864	500/1000
378550200	20 x 2 x 0,50	189	17,70	23,80	1000	500/1000
378550240	24 x 2 x 0,50	225	19,10	25,20	1086	500/1000
378575010	1 x 2 x 0,75	19	6,20	10,80	219	500/1000
378575020	2 x 2 x 0,75	33	8,60	13,40	329	500/1000
378575040	4 x 2 x 0,75	60	10,00	14,80	424	500/1000
378575060	6 x 2 x 0,75	88	12,00	17,00	517	500/1000
378575080	8 x 2 x 0,75	117	13,20	18,20	583	500/1000
378575100	10 x 2 x 0,75	144	14,90	20,10	692	500/1000
378575120	12 x 2 x 0,75	173	15,20	21,10	837	500/1000
378575160	16 x 2 x 0,75	229	17,30	23,40	1020	500/1000
378575200	20 x 2 x 0,75	285	19,40	25,50	1165	500/1000
378575240	24 x 2 x 0,75	340	21,00	27,30	1280	500/1000
378501010	1 x 2 x 1	23	6,60	11,40	236	500/1000
378501020	2 x 2 x 1	41	9,20	14,00	374	500/1000
378501040	4 x 2 x 1	77	10,80	15,90	467	500/1000
378501060	6 x 2 x 1	113	13,00	18,00	588	500/1000
378501080	8 x 2 x 1	149	14,30	19,50	677	500/1000
378501100	10 x 2 x 1	185	16,20	22,10	901	500/1000
378501120	12 x 2 x 1	221	16,50	22,40	968	500/1000
378501160	16 x 2 x 1	293	19,10	25,20	1188	500/1000
378501200	20 x 2 x 1	365	21,10	27,40	1364	500/1000
378501240	24 x 2 x 1	437	22,90	29,20	1516	500/1000
378513010	1 x 2 x 1,3	29	7,00	11,80	255	500/1000
378513020	2 x 2 x 1,3	53	9,90	14,70	394	500/1000
378513040	4 x 2 x 1,3	101	11,60	16,60	504	500/1000
378513060	6 x 2 x 1,3	149	14,00	19,00	656	500/1000
378513080	8 x 2 x 1,3	197	15,40	21,30	861	500/1000
378513100	10 x 2 x 1,3	245	17,40	23,50	1000	500/1000
378513120	12 x 2 x 1,3	293	17,80	23,90	1120	500/1000
378513160	16 x 2 x 1,3	389	20,30	26,40	1321	500/1000
378513200	20 x 2 x 1,3	485	22,90	29,20	1542	500/1000
378513240	24 x 2 x 1,3	581	24,80	31,30	1765	500/1000
378515010	1 x 2 x 1,5	33	7,20	12,00	268	500/1000
378515020	2 x 2 x 1,5	61	10,20	15,00	422	500/1000
378515040	4 x 2 x 1,5	117	12,00	17,00	532	500/1000
378515060	6 x 2 x 1,5	173	15,00	20,10	726	500/1000
378515080	8 x 2 x 1,5	229	16,20	22,10	926	500/1000
378515100	10 x 2 x 1,5	285	18,30	24,40	1083	500/1000
378515120	12 x 2 x 1,5	341	19,10	25,20	1194	500/1000
378515160	16 x 2 x 1,5	453	21,10	27,40	1441	500/1000
378515200	20 x 2 x 1,5	565	24,50	31,00	1734	500/1000
378515240	24 x 2 x 1,5	677	27,60	35,00	2185	500/1000

RE-2X(St)YSWAY-fl PIMF

CU/XLPE/PSCR/OSCR/PVC/SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 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
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

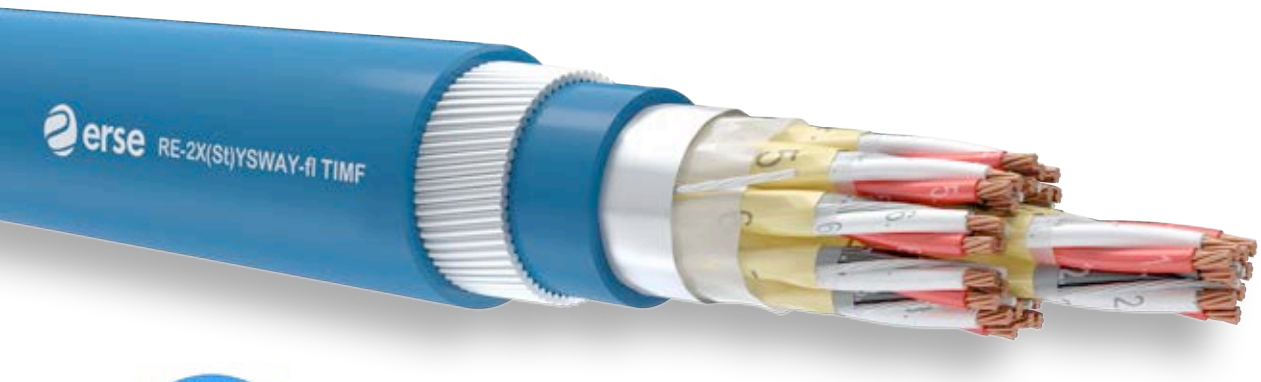
RE-2X(St)YSWAY-fl PIMF

CU/XLPE/PSCR/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378650020	2 x 2 x 0,50	32	9,10	14,00	338	500/1000
378650040	4 x 2 x 0,50	60	10,60	15,70	426	500/1000
378650060	6 x 2 x 0,50	88	12,60	17,70	545	500/1000
378650080	8 x 2 x 0,50	115	13,70	18,90	600	500/1000
378650100	10 x 2 x 0,50	143	16,20	22,00	854	500/1000
378650120	12 x 2 x 0,50	170	16,60	22,50	912	500/1000
378650160	16 x 2 x 0,50	225	18,50	24,70	1086	500/1000
378650200	20 x 2 x 0,50	280	20,60	27,00	1250	500/1000
378650240	24 x 2 x 0,50	336	23,00	30,00	1435	500/1000
378675020	2 x 2 x 0,75	42	9,80	14,50	390	500/1000
378675040	4 x 2 x 0,75	79	11,40	16,40	470	500/1000
378675060	6 x 2 x 0,75	116	13,80	18,80	632	500/1000
378675080	8 x 2 x 0,75	154	14,80	20,00	742	500/1000
378675100	10 x 2 x 0,75	191	17,50	23,70	978	500/1000
378675120	12 x 2 x 0,75	228	18,20	24,40	1057	500/1000
378675160	16 x 2 x 0,75	302	20,40	26,50	1259	500/1000
378675200	20 x 2 x 0,75	377	22,50	29,00	1437	500/1000
378675240	24 x 2 x 0,75	451	25,20	31,70	1663	500/1000
378601020	2 x 2 x 1	51	10,50	15,50	408	500/1000
378601040	4 x 2 x 1	98	12,30	17,50	536	500/1000
378601060	6 x 2 x 1	145	14,80	20,00	699	500/1000
378601080	8 x 2 x 1	192	16,20	21,50	898	500/1000
378601100	10 x 2 x 1	239	19,00	25,00	1099	500/1000
378601120	12 x 2 x 1	285	19,60	25,90	1190	500/1000
378601160	16 x 2 x 1	379	21,80	28,20	1419	500/1000
378601200	20 x 2 x 1	473	24,50	31,00	1640	500/1000
378601240	24 x 2 x 1	566	27,50	34,90	2126	500/1000
378613020	2 x 2 x 1,3	63	11,30	16,50	450	500/1000
378613040	4 x 2 x 1,3	120	13,20	18,20	570	500/1000
378613060	6 x 2 x 1,3	179	16,00	21,00	879	500/1000
378613080	8 x 2 x 1,3	237	17,40	23,50	1020	500/1000
378613100	10 x 2 x 1,3	295	20,50	26,50	1216	500/1000
378613120	12 x 2 x 1,3	353	21,00	27,50	1330	500/1000
378613160	16 x 2 x 1,3	467	23,50	30,00	1600	500/1000
378613200	20 x 2 x 1,3	585	26,50	33,50	2044	500/1000
378613240	24 x 2 x 1,3	700	30,00	37,50	2415	500/1000
378615020	2 x 2 x 1,5	70	11,70	16,80	478	500/1000
378615040	4 x 2 x 1,5	135	14,00	19,00	618	500/1000
378615060	6 x 2 x 1,5	200	16,40	22,40	928	500/1000
378615080	8 x 2 x 1,5	265	18,00	24,00	1074	500/1000
378615100	10 x 2 x 1,5	331	21,00	27,50	1296	500/1000
378615120	12 x 2 x 1,5	396	22,00	28,20	1415	500/1000
378615160	16 x 2 x 1,5	526	24,50	31,00	1713	500/1000
378615200	20 x 2 x 1,5	657	27,40	34,90	2195	500/1000
378615240	24 x 2 x 1,5	787	31,00	38,70	2570	500/1000

RE-2X(St)YSWAY-fl TIMF

CU/XLPE/TSCR/OSCR/PVC/SWA/PVC



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK- WHITE AND RED; EACH TRIAD NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
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

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

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
6. Gas Stations
7. Water Conveyance Systems

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

NOTES

EMC*: Electromagnetic compatibility
Fl*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required

RE-2X(St)YSWAY-fl TIMF

CU/XLPE/TSCR/OSCR/PVC/SWA/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378750020	2 x 3 x 0,50	55	10,20	14,80	411	500/1000
378750040	4 x 3 x 0,50	95	11,80	16,60	521	500/1000
378750060	6 x 3 x 0,50	120	14,10	18,90	646	500/1000
378750080	8 x 3 x 0,50	155	15,30	21,00	843	500/1000
378750100	10 x 3 x 0,50	193	18,10	24,10	1020	500/1000
378750120	12 x 3 x 0,50	230	18,70	24,60	1100	500/1000
378750160	16 x 3 x 0,50	300	20,80	27,30	1300	500/1000
378750200	20 x 3 x 0,50	380	23,20	29,40	1500	500/1000
378750240	24 x 3 x 0,50	446	26,10	32,90	1923	500/1000
378775020	2 x 3 x 0,75	55	11,00	15,80	425	500/1000
378775040	4 x 3 x 0,75	106	12,80	17,60	545	500/1000
378775060	6 x 3 x 0,75	157	15,40	21,10	830	500/1000
378775080	8 x 3 x 0,75	207	16,70	22,40	940	500/1000
378775100	10 x 3 x 0,75	258	19,70	25,60	1157	500/1000
378775120	12 x 3 x 0,75	308	20,40	26,30	1250	500/1000
378775160	16 x 3 x 0,75	410	22,70	28,80	1500	500/1000
378775200	20 x 3 x 0,75	511	25,30	31,60	1754	500/1000
378775240	24 x 3 x 0,75	611	28,70	35,90	2290	500/1000
378701020	2 x 3 x 1	70	11,80	16,60	478	500/1000
378701040	4 x 3 x 1	135	13,60	18,60	610	500/1000
378701060	6 x 3 x 1	200	16,50	22,20	940	500/1000
378701080	8 x 3 x 1	266	17,90	23,80	1060	500/1000
378701100	10 x 3 x 1	331	21,20	27,30	1300	500/1000
378701120	12 x 3 x 1	396	21,90	28,00	1400	500/1000
378701160	16 x 3 x 1	526	24,70	31,00	1738	500/1000
378701200	20 x 3 x 1	658	27,30	34,30	2200	500/1000
378701240	24 x 3 x 1	788	31,00	38,40	2610	500/1000
378713020	2 x 3 x 1,3	86	12,70	17,50	515	500/1000
378713040	4 x 3 x 1,3	168	14,90	19,90	700	500/1000
378713060	6 x 3 x 1,3	249	17,90	23,80	1055	500/1000
378713080	8 x 3 x 1,3	331	19,50	25,40	1200	500/1000
378713100	10 x 3 x 1,3	414	23,00	29,20	1500	500/1000
378713120	12 x 3 x 1,3	495	23,90	30,00	1610	500/1000
378713160	16 x 3 x 1,3	658	26,70	33,70	2170	500/1000
378713200	20 x 3 x 1,3	823	30,10	37,40	2491	500/1000
378713240	24 x 3 x 1,3	986	33,70	41,20	3010	500/1000
378715020	2 x 3 x 1,5	98	13,00	17,90	545	500/1000
378715040	4 x 3 x 1,5	191	15,20	20,30	735	500/1000
378715060	6 x 3 x 1,5	284	18,40	24,40	1115	500/1000
378715080	8 x 3 x 1,5	377	20,00	26,00	1280	500/1000
378715100	10 x 3 x 1,5	471	23,70	29,90	1570	500/1000
378715120	12 x 3 x 1,5	564	24,60	31,00	1750	500/1000
378715160	16 x 3 x 1,5	750	27,90	35,20	2365	500/1000
378715200	20 x 3 x 1,5	937	31,10	38,60	2740	500/1000
378715240	24 x 3 x 1,5	1123	34,90	42,50	3220	500/1000

RE-2X(St)H (MULTICORE)

CU/XLPE/OSCR/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE 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 LSZH COMPOUND
8 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

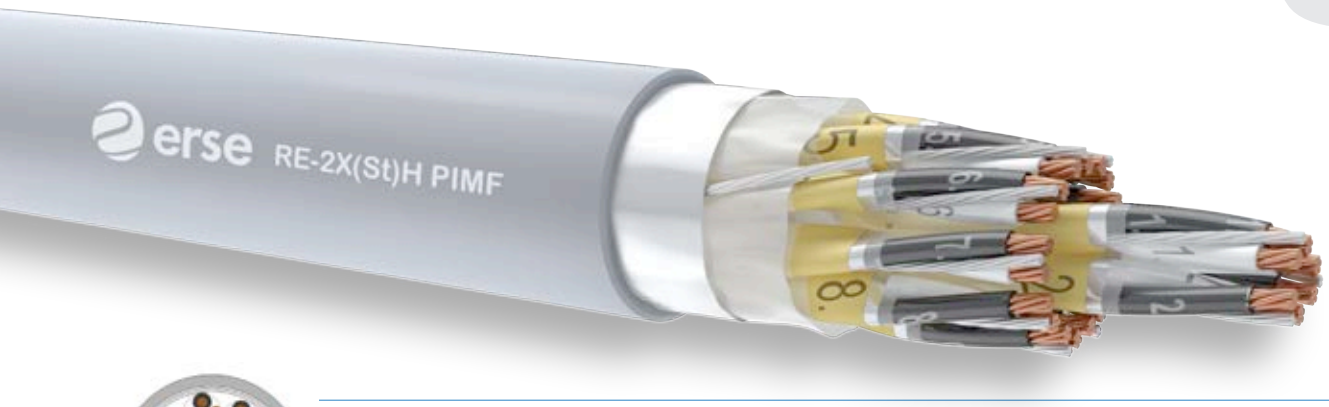
RE-2X(St) H (MULTIPAIR)

CU/XLPE/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
380350010	1 x 2 x 0,50	5,60	14	44	500/1000
380350020	2 x 2 x 0,50	8,00	23	59	500/1000
380350040	4 x 2 x 0,50	9,40	42	98	500/1000
380350060	6 x 2 x 0,50	11,30	60	154	500/1000
380350080	8 x 2 x 0,50	12,40	78	177	500/1000
380350100	10 x 2 x 0,50	14,10	97	219	500/1000
380350120	12 x 2 x 0,50	14,40	115	248	500/1000
380350160	16 x 2 x 0,50	16,50	152	336	500/1000
380350200	20 x 2 x 0,50	18,40	189	400	500/1000
380350240	24 x 2 x 0,50	20,00	225	475	500/1000
380375010	1 x 2 x 0,75	6,00	19	49	500/1000
380375020	2 x 2 x 0,75	8,70	33	78	500/1000
380375040	4 x 2 x 0,75	10,00	60	117	500/1000
380375060	6 x 2 x 0,75	12,20	88	203	500/1000
380375080	8 x 2 x 0,75	13,70	117	231	500/1000
380375100	10 x 2 x 0,75	15,40	144	284	500/1000
380375120	12 x 2 x 0,75	15,80	173	331	500/1000
380375160	16 x 2 x 0,75	18,00	229	439	500/1000
380375200	20 x 2 x 0,75	20,30	285	521	500/1000
380375240	24 x 2 x 0,75	22,10	340	635	500/1000
380301010	1 x 2 x 1	6,40	23	57	500/1000
380301020	2 x 2 x 1	9,40	41	98	500/1000
380301040	4 x 2 x 1	11,00	77	159	500/1000
380301060	6 x 2 x 1	13,40	113	236	500/1000
380301080	8 x 2 x 1	14,80	149	300	500/1000
380301100	10 x 2 x 1	16,90	185	370	500/1000
380301120	12 x 2 x 1	17,20	221	422	500/1000
380301160	16 x 2 x 1	20,00	293	581	500/1000
380301200	20 x 2 x 1	22,20	388	680	500/1000
380301240	24 x 2 x 1	24,00	463	795	500/1000
380313010	1 x 2 x 1,3	6,80	29	88	500/1000
380313020	2 x 2 x 1,3	10,00	53	122	500/1000
380313040	4 x 2 x 1,3	11,90	101	188	500/1000
380313060	6 x 2 x 1,3	14,50	149	303	500/1000
380313080	8 x 2 x 1,3	15,90	197	355	500/1000
380313100	10 x 2 x 1,3	18,10	245	443	500/1000
380313120	12 x 2 x 1,3	18,40	293	508	500/1000
380313160	16 x 2 x 1,3	21,20	389	674	500/1000
380313200	20 x 2 x 1,3	24,00	485	800	500/1000
380313240	24 x 2 x 1,3	26,10	581	980	500/1000
380315010	1 x 2 x 1,5	7,00	33	72	500/1000
380315020	2 x 2 x 1,5	10,30	61	130	500/1000
380315040	4 x 2 x 1,5	12,40	117	210	500/1000
380315060	6 x 2 x 1,5	15,40	173	336	500/1000
380315080	8 x 2 x 1,5	16,90	229	406	500/1000
380315100	10 x 2 x 1,5	19,20	285	502	500/1000
380315120	12 x 2 x 1,5	20,00	341	581	500/1000
380315160	16 x 2 x 1,5	22,20	453	762	500/1000
380315200	20 x 2 x 1,5	25,90	565	934	500/1000
380315240	24 x 2 x 1,5	29,00	677	1125	500/1000

RE-2X(St)H-PIMF

CU/XLPE/PSCR/OSCR/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)H-TIMF

CU/XLPE/TSCR/OSCR/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
380150020	2 x 3 x 0,50	10,10	42	122	500/1000
380150040	4 x 3 x 0,50	12,00	79	200	500/1000
380150060	6 x 3 x 0,50	14,50	116	280	500/1000
380150080	8 x 3 x 0,50	15,70	152	344	500/1000
380150100	10 x 3 x 0,50	18,70	189	426	500/1000
380150120	12 x 3 x 0,50	19,20	225	478	500/1000
380150160	16 x 3 x 0,50	21,50	299	620	500/1000
380150200	20 x 3 x 0,50	24,20	373	738	500/1000
380150240	24 x 3 x 0,50	27,50	447	900	500/1000
380175020	2 x 3 x 0,75	10,80	55	140	500/1000
380175040	4 x 3 x 0,75	12,80	106	228	500/1000
380175060	6 x 3 x 0,75	15,60	157	346	500/1000
380175080	8 x 3 x 0,75	17,10	207	422	500/1000
380175100	10 x 3 x 0,75	20,30	258	510	500/1000
380175120	12 x 3 x 0,75	21,00	308	600	500/1000
380175160	16 x 3 x 0,75	23,50	410	782	500/1000
380175200	20 x 3 x 0,75	26,30	511	932	500/1000
380175240	24 x 3 x 0,75	29,50	611	1120	500/1000
380101020	2 x 3 x 1	11,80	70	170	500/1000
380101040	4 x 3 x 1	13,80	135	276	500/1000
380101060	6 x 3 x 1	17,10	200	410	500/1000
380101080	8 x 3 x 1	18,30	266	496	500/1000
380101100	10 x 3 x 1	22,00	331	635	500/1000
380101120	12 x 3 x 1	22,80	396	732	500/1000
380101160	16 x 3 x 1	25,50	526	924	500/1000
380101200	20 x 3 x 1	28,50	658	1129	500/1000
380101240	24 x 3 x 1	32,00	788	1350	500/1000
380113020	2 x 3 x 1,3	12,70	86	200	500/1000
380113040	4 x 3 x 1,3	15,10	168	322	500/1000
380113060	6 x 3 x 1,3	18,30	249	486	500/1000
380113080	8 x 3 x 1,3	20,10	331	598	500/1000
380113100	10 x 3 x 1,3	24,00	414	751	500/1000
380113120	12 x 3 x 1,3	25,00	495	883	500/1000
380113160	16 x 3 x 1,3	28,00	658	1120	500/1000
380113200	20 x 3 x 1,3	31,20	823	1358	500/1000
380113240	24 x 3 x 1,3	35,00	986	1622	500/1000
380115020	2 x 3 x 1,5	13,20	98	220	500/1000
380115040	4 x 3 x 1,5	15,50	191	370	500/1000
380115060	6 x 3 x 1,5	19,00	284	524	500/1000
380115080	8 x 3 x 1,5	20,80	377	635	500/1000
380115100	10 x 3 x 1,5	24,80	471	807	500/1000
380115120	12 x 3 x 1,5	25,70	564	933	500/1000
380115160	16 x 3 x 1,5	28,80	750	1220	500/1000
380115200	20 x 3 x 1,5	32,20	937	1494	500/1000
380115240	24 x 3 x 1,5	36,40	1123	1804	500/1000

RE-2X(St)HSWAH (MULTICORE)

CU/XLPE/OSCR/LSZH/ SWA/LSZH

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE 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 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	115		IEC 60332-3-24
0,75	24,5		0,75	115	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	115	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	115		BS EN 60332-3-24
2,5	7,41		2,5	115		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

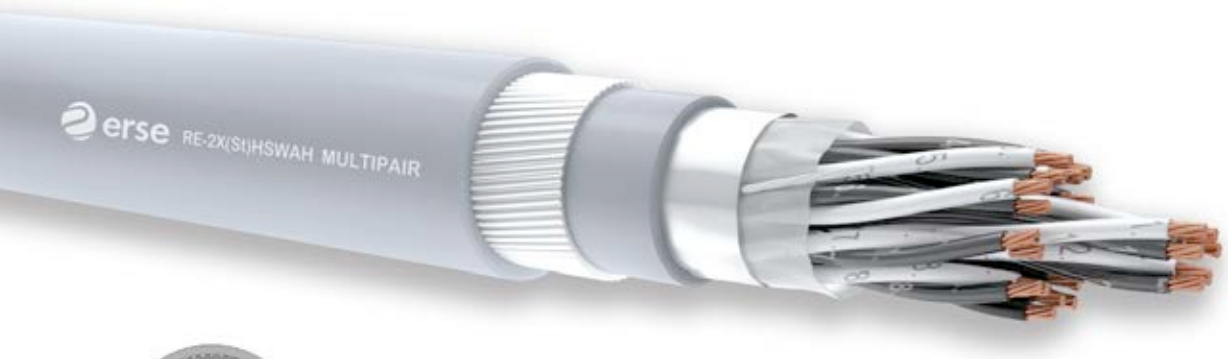
RE-2X(St)HSWAH (MULTICORE)

CU/XLPE/OSCR/LSZH/ SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
379450020	2 x 0,50	14	5,80	10,40	203	500/1000
379450030	3 x 0,50	18	6,00	10,60	215	500/1000
379450040	4 x 0,50	23	6,50	11,10	230	500/1000
379450050	5 x 0,50	28	7,10	11,90	260	500/1000
379450060	6 x 0,50	32	7,60	12,40	285	500/1000
379450070	7 x 0,50	37	7,60	12,40	390	500/1000
379450100	10 x 0,50	51	9,40	14,20	360	500/1000
379450120	12 x 0,50	92	9,60	14,40	385	500/1000
379450190	19 x 0,50	115	11,20	16,20	485	500/1000
379450240	24 x 0,50	144	13,00	18,00	575	500/1000
379475020	2 x 0,75	19	6,20	10,80	215	500/1000
379475030	3 x 0,75	26	6,40	11,00	230	500/1000
379475040	4 x 0,75	33	6,80	11,40	248	500/1000
379475050	5 x 0,75	40	7,50	12,30	290	500/1000
379475060	6 x 0,75	47	8,10	12,90	315	500/1000
379475070	7 x 0,75	54	8,10	12,90	320	500/1000
379475100	10 x 0,75	75	10,10	14,90	405	500/1000
379475120	12 x 0,75	89	10,40	15,20	435	500/1000
379475190	19 x 0,75	138	12,10	17,10	560	500/1000
379475240	24 x 0,75	173	14,00	19,00	665	500/1000
379401020	2 x 1	23	6,60	11,40	235	500/1000
379401030	3 x 1	32	6,90	11,50	253	500/1000
379401040	4 x 1	41	7,40	12,20	280	500/1000
379401050	5 x 1	50	7,60	12,40	300	500/1000
379401060	6 x 1	60	8,70	13,50	348	500/1000
379401070	7 x 1	69	8,70	13,50	355	500/1000
379401100	10 x 1	97	10,90	15,90	460	500/1000
379401120	12 x 1	115	11,30	16,30	500	500/1000
379401190	19 x 1	180	13,20	18,20	640	500/1000
379401240	24 x 1	225	15,30	21,20	890	500/1000
379415020	2 x 1,5	33	7,20	12,00	268	500/1000
379415030	3 x 1,5	47	7,60	12,40	293	500/1000
379415040	4 x 1,5	61	8,20	13,00	326	500/1000
379415050	5 x 1,5	76	9,00	13,80	370	500/1000
379415060	6 x 1,5	90	9,70	14,50	415	500/1000
379415070	7 x 1,5	104	9,70	14,50	422	500/1000
379415100	10 x 1,5	147	12,20	17,20	555	500/1000
379415120	12 x 1,5	175	12,60	17,60	600	500/1000
379415190	19 x 1,5	274	14,70	19,90	795	500/1000
379415240	24 x 1,5	345	17,20	23,30	1090	500/1000
379425020	2 x 2,5	49	8,50	13,30	320	500/1000
379425030	3 x 2,5	71	8,80	13,60	365	500/1000
379425040	4 x 2,5	93	9,60	14,40	408	500/1000
379425050	5 x 2,5	115	10,60	15,60	475	500/1000
379425060	6 x 2,5	137	11,50	16,50	530	500/1000
379425070	7 x 2,5	159	11,50	16,50	550	500/1000
379425100	10 x 2,5	225	14,60	19,80	740	500/1000
379425120	12 x 2,5	267	15,00	20,20	800	500/1000
379425190	19 x 2,5	423	17,70	23,80	1280	500/1000
379425240	24 x 2,5	533	20,70	27,00	1485	500/1000

RE-2X(St)HSWAH (MULTIPAIR)

CU/XLPE/OSCR/LSZH/ SWA/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

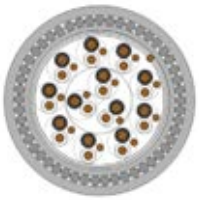
RE-2X(St)HSWAH (MULTIPAIR)

CU/XLPE/OSCR/LSZH/ SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
379550010	1 x 2 x 0,50	14	5,80	10,60	200	500/1000
379550020	2 x 2 x 0,50	23	8,00	12,80	314	500/1000
379550040	4 x 2 x 0,50	42	9,20	14,00	380	500/1000
379550060	6 x 2 x 0,50	60	11,00	16,00	481	500/1000
379550080	8 x 2 x 0,50	78	12,10	17,20	544	500/1000
379550100	10 x 2 x 0,50	97	13,60	18,60	616	500/1000
379550120	12 x 2 x 0,50	115	13,90	18,90	645	500/1000
379550160	16 x 2 x 0,50	152	15,80	21,70	882	500/1000
379550200	20 x 2 x 0,50	189	17,70	23,80	1019	500/1000
379550240	24 x 2 x 0,50	225	19,10	25,20	1133	500/1000
379575010	1 x 2 x 0,75	19	6,20	10,80	234	500/1000
379575020	2 x 2 x 0,75	33	8,60	13,40	338	500/1000
379575040	4 x 2 x 0,75	60	10,00	14,80	435	500/1000
379575060	6 x 2 x 0,75	88	12,00	17,00	540	500/1000
379575080	8 x 2 x 0,75	117	13,20	18,20	610	500/1000
379575100	10 x 2 x 0,75	144	14,90	20,10	712	500/1000
379575120	12 x 2 x 0,75	173	15,20	21,10	865	500/1000
379575160	16 x 2 x 0,75	229	17,30	23,40	1037	500/1000
379575200	20 x 2 x 0,75	285	19,40	25,50	1185	500/1000
379575240	24 x 2 x 0,75	340	21,00	27,30	1336	500/1000
379501010	1 x 2 x 1	23	6,60	11,40	253	500/1000
379501020	2 x 2 x 1	41	9,20	14,00	371	500/1000
379501040	4 x 2 x 1	77	10,80	15,90	476	500/1000
379501060	6 x 2 x 1	113	13,00	18,00	614	500/1000
379501080	8 x 2 x 1	149	14,30	19,50	696	500/1000
379501100	10 x 2 x 1	185	16,20	22,10	930	500/1000
379501120	12 x 2 x 1	221	16,50	22,40	990	500/1000
379501160	16 x 2 x 1	293	19,10	25,20	1206	500/1000
379501200	20 x 2 x 1	388	21,10	27,40	1388	500/1000
379501240	24 x 2 x 1	463	22,90	29,20	1554	500/1000
379513010	1 x 2 x 1,3	29	7,00	11,80	271	500/1000
379513020	2 x 2 x 1,3	53	9,90	14,70	425	500/1000
379513040	4 x 2 x 1,3	101	11,60	16,60	530	500/1000
379513060	6 x 2 x 1,3	149	14,00	19,00	687	500/1000
379513080	8 x 2 x 1,3	197	15,40	21,30	891	500/1000
379513100	10 x 2 x 1,3	245	17,40	23,50	1052	500/1000
379513120	12 x 2 x 1,3	293	17,80	23,90	1120	500/1000
379513160	16 x 2 x 1,3	389	20,30	26,40	1354	500/1000
379513200	20 x 2 x 1,3	485	22,90	29,20	1581	500/1000
379513240	24 x 2 x 1,3	581	24,80	31,30	1795	500/1000
379515010	1 x 2 x 1,5	33	7,20	12,00	296	500/1000
379515020	2 x 2 x 1,5	61	10,20	15,00	436	500/1000
379515040	4 x 2 x 1,5	117	12,00	17,00	556	500/1000
379515060	6 x 2 x 1,5	173	15,00	20,10	761	500/1000
379515080	8 x 2 x 1,5	229	16,20	22,10	960	500/1000
379515100	10 x 2 x 1,5	285	18,30	24,40	1115	500/1000
379515120	12 x 2 x 1,5	341	19,10	25,20	1237	500/1000
379515160	16 x 2 x 1,5	453	21,10	27,40	1468	500/1000
379515200	20 x 2 x 1,5	565	24,50	31,00	1743	500/1000
379515240	24 x 2 x 1,5	677	27,60	35,00	2236	500/1000

RE-2X(St)HSWAH-PIMF

CU/XLPE/PSCR/OSCR/ LSZH/SWA/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 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
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments , intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

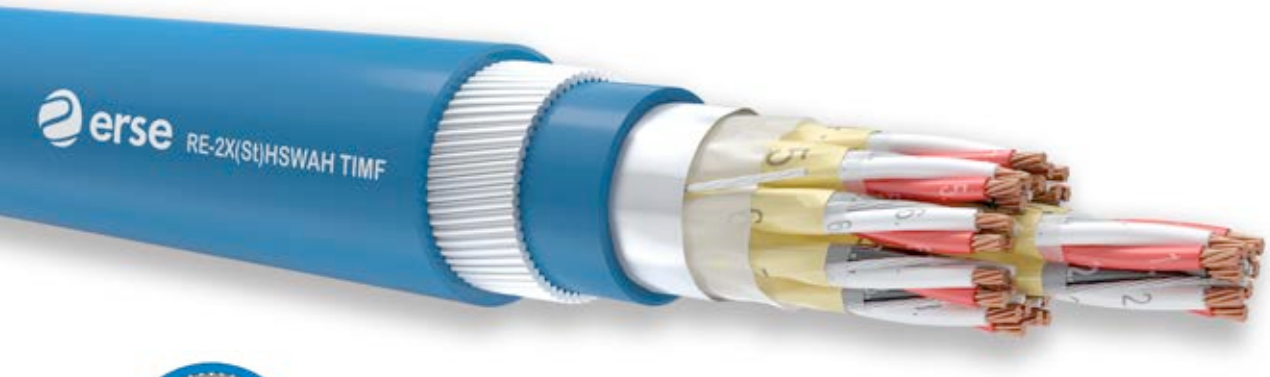
RE-2X(St)HSWAH-PIMF

CU/XLPE/PSCR/OSCR/ LSZH/SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
383350020	2 x 2 x 0,50	32	9,10	14,00	359	500/1000
383350040	4 x 2 x 0,50	60	10,60	15,70	459	500/1000
383350060	6 x 2 x 0,50	88	12,60	17,70	577	500/1000
383350080	8 x 2 x 0,50	115	13,70	18,80	628	500/1000
383351020	10 x 2 x 0,50	143	16,20	22,00	873	500/1000
383350120	12 x 2 x 0,50	170	16,60	22,50	941	500/1000
383350160	16 x 2 x 0,50	225	18,50	24,70	1119	500/1000
383350200	20 x 2 x 0,50	280	20,60	27,00	1296	500/1000
383350240	24 x 2 x 0,50	336	23,00	29,60	1487	500/1000
383375020	2 x 2 x 0,75	42	9,80	14,50	406	500/1000
383375040	4 x 2 x 0,75	79	11,40	16,50	512	500/1000
383375060	6 x 2 x 0,75	116	13,80	18,80	644	500/1000
383375080	8 x 2 x 0,75	154	14,80	20,00	730	500/1000
383375100	10 x 2 x 0,75	191	17,50	23,70	1009	500/1000
383375120	12 x 2 x 0,75	228	18,20	24,40	1077	500/1000
383375160	16 x 2 x 0,75	302	20,40	26,50	1284	500/1000
383375200	20 x 2 x 0,75	377	22,50	29,00	1485	500/1000
383375240	24 x 2 x 0,75	451	25,20	31,80	1704	500/1000
383301020	2 x 2 x 1	51	10,50	15,50	442	500/1000
383301040	4 x 2 x 1	98	12,30	17,50	569	500/1000
383301060	6 x 2 x 1	145	14,80	20,00	725	500/1000
383301080	8 x 2 x 1	192	16,00	21,50	926	500/1000
383301100	10 x 2 x 1	239	19,00	25,00	1120	500/1000
383301120	12 x 2 x 1	285	19,60	25,80	1215	500/1000
383301160	16 x 2 x 1	379	21,80	28,20	1449	500/1000
383301200	20 x 2 x 1	473	24,50	31,00	1689	500/1000
383301240	24 x 2 x 1	566	27,50	34,90	2186	500/1000
383313020	2 x 2 x 1,3	63	11,30	16,50	496	500/1000
383313040	4 x 2 x 1,3	120	13,20	18,20	612	500/1000
383313060	6 x 2 x 1,3	179	16,00	21,00	904	500/1000
383313080	8 x 2 x 1,3	237	17,40	23,50	1042	500/1000
383313100	10 x 2 x 1,3	295	20,50	26,60	1244	500/1000
383313120	12 x 2 x 1,3	353	21,00	27,50	1353	500/1000
383313160	16 x 2 x 1,3	467	23,50	30,00	1626	500/1000
383313200	20 x 2 x 1,3	585	26,40	33,60	2075	500/1000
383313240	24 x 2 x 1,3	700	30,00	37,40	2469	500/1000
383315020	2 x 2 x 1,5	70	11,70	16,80	510	500/1000
383315040	4 x 2 x 1,5	135	13,90	18,90	665	500/1000
383315060	6 x 2 x 1,5	200	16,50	22,40	957	500/1000
383315080	8 x 2 x 1,5	265	18,00	24,10	1096	500/1000
383315100	10 x 2 x 1,5	331	21,00	27,50	1340	500/1000
383315120	12 x 2 x 1,5	396	22,00	28,20	1412	500/1000
383315160	16 x 2 x 1,5	526	24,60	31,00	1745	500/1000
383315200	20 x 2 x 1,5	657	27,50	34,90	2261	500/1000
383315240	24 x 2 x 1,5	787	31,10	38,70	2635	500/1000

RE-2X(St)HSWAH-TIMF

CU/XLPE/TSCR/OSCR/ LSZH/SWA/LSZH



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH PAIR NUMBERED
4 - Individual Screen	PES TAPE; TINNED COPPER DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENE TRIPLES IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 7001* GREY

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
7. Gas Stations
8. Water Conveyance Systems

NOTES

EMC*: Electromagnetic compatibility
FI*: Flame retardant outer sheath
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 7001 grey sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)HSWAH-TIMF

CU/XLPE/TSCR/OSCR/ LSZH/SWA/LSZH

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
383650020	2 x 3 x 0,50	42	10,30	15,00	426	500/1000
383650040	4 x 3 x 0,50	79	12,00	16,80	532	500/1000
383650060	6 x 3 x 0,50	116	14,20	19,10	674	500/1000
383650080	8 x 3 x 0,50	152	15,40	21,20	862	500/1000
383650100	10 x 3 x 0,50	189	18,20	24,20	1038	500/1000
383650120	12 x 3 x 0,50	225	18,80	24,80	1112	500/1000
383650160	16 x 3 x 0,50	299	20,90	27,40	1336	500/1000
383650200	20 x 3 x 0,50	373	23,30	29,50	1533	500/1000
383650240	24 x 3 x 0,50	447	26,00	33,00	1944	500/1000
383675020	2 x 3 x 0,75	55	11,00	15,90	454	500/1000
383675040	4 x 3 x 0,75	106	12,80	17,70	584	500/1000
383675060	6 x 3 x 0,75	157	15,40	21,20	868	500/1000
383675080	8 x 3 x 0,75	207	16,70	22,50	974	500/1000
383675100	10 x 3 x 0,75	258	19,70	25,70	1160	500/1000
383675120	12 x 3 x 0,75	308	20,40	26,40	1260	500/1000
383675160	16 x 3 x 0,75	410	22,70	28,90	1500	500/1000
383675200	20 x 3 x 0,75	511	25,30	31,70	1760	500/1000
383675240	24 x 3 x 0,75	611	28,70	36,00	2300	500/1000
383601020	2 x 3 x 1	70	11,80	16,70	491	500/1000
383601040	4 x 3 x 1	135	13,60	18,70	637	500/1000
383601060	6 x 3 x 1	200	16,50	22,30	967	500/1000
383601080	8 x 3 x 1	266	17,90	23,90	1106	500/1000
383601100	10 x 3 x 1	331	21,20	27,40	1346	500/1000
383601120	12 x 3 x 1	396	22,00	28,10	1452	500/1000
383601160	16 x 3 x 1	526	24,70	31,10	1779	500/1000
383601200	20 x 3 x 1	658	27,30	34,40	2236	500/1000
383601240	24 x 3 x 1	788	31,00	38,50	2664	500/1000
383613020	2 x 3 x 1,3	86	12,70	17,60	550	500/1000
383613040	4 x 3 x 1,3	168	14,90	20,00	700	500/1000
383613060	6 x 3 x 1,3	249	18,00	23,90	1093	500/1000
383613080	8 x 3 x 1,3	331	19,60	25,50	1247	500/1000
383613100	10 x 3 x 1,3	414	23,20	29,30	1500	500/1000
383613120	12 x 3 x 1,3	495	24,00	30,10	1650	500/1000
383613160	16 x 3 x 1,3	658	26,80	33,80	2180	500/1000
383613200	20 x 3 x 1,3	823	30,30	37,50	2615	500/1000
383613240	24 x 3 x 1,3	986	33,90	41,30	3030	500/1000
383615020	2 x 3 x 1,5	98	13,20	18,00	568	500/1000
383615040	4 x 3 x 1,5	191	15,40	20,40	762	500/1000
383615060	6 x 3 x 1,5	284	18,60	24,50	1175	500/1000
383615080	8 x 3 x 1,5	377	20,20	26,10	1336	500/1000
383615100	10 x 3 x 1,5	471	23,90	30,00	1612	500/1000
383615120	12 x 3 x 1,5	564	24,80	31,10	1750	500/1000
383615160	16 x 3 x 1,5	750	28,10	35,30	2419	500/1000
383615200	20 x 3 x 1,5	937	31,30	38,70	2818	500/1000
383615240	24 x 3 x 1,5	1123	35,00	42,60	3279	500/1000

RE-2X(St)H..CI (MULTICORE)

CU/MGT+XLPE/OSCR/LSZH..CI

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

CONSTRUCTION

1 - Conductor	IEC 60228 ;DIN VDE 0295;EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED
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; RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	100		BS EN 60332-3-24
2,5	7,41		2,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

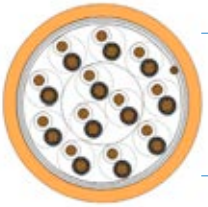
RE-2X(St)H..CI (MULTICORE)

CU/MGT+XLPE/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381050020	2 x 0,50	5,60	14	45	500/1000
381050030	3 x 0,50	5,80	18	50	500/1000
381050040	4 x 0,50	6,30	23	58	500/1000
381050050	5 x 0,50	6,90	28	68	500/1000
381050060	6 x 0,50	7,40	32	78	500/1000
381050070	7 x 0,50	7,40	37	84	500/1000
381050100	10 x 0,50	9,40	51	115	500/1000
381050120	12 x 0,50	9,60	75	135	500/1000
381050190	19 x 0,50	11,50	115	201	500/1000
381050240	24 x 0,50	13,20	144	248	500/1000
381075020	2 x 0,75	6,00	19	50	500/1000
381075030	3 x 0,75	6,20	26	59	500/1000
381075040	4 x 0,75	6,60	33	72	500/1000
381075050	5 x 0,75	7,30	40	87	500/1000
381075060	6 x 0,75	7,90	47	102	500/1000
381075070	7 x 0,75	7,90	54	109	500/1000
381075100	10 x 0,75	10,10	75	152	500/1000
381075120	12 x 0,75	10,40	89	173	500/1000
381075190	19 x 0,75	12,30	138	260	500/1000
381075240	24 x 0,75	14,40	173	328	500/1000
381001020	2 x 1	6,40	23	58	500/1000
381001030	3 x 1	6,70	32	70	500/1000
381001040	4 x 1	7,20	41	88	500/1000
381001050	5 x 1	7,40	50	98	500/1000
381001060	6 x 1	8,70	60	121	500/1000
381001070	7 x 1	8,70	69	130	500/1000
381001100	10 x 1	11,10	97	192	500/1000
381001120	12 x 1	11,50	115	220	500/1000
381001190	19 x 1	13,40	180	322	500/1000
381001240	24 x 1	15,70	225	405	500/1000
381015020	2 x 1,5	7,00	33	70	500/1000
381015030	3 x 1,5	7,40	47	91	500/1000
381015040	4 x 1,5	8,00	61	111	500/1000
381015050	5 x 1,5	9,00	76	137	500/1000
381015060	6 x 1,5	9,70	90	165	500/1000
381015070	7 x 1,5	9,70	104	179	500/1000
381015100	10 x 1,5	12,40	147	253	500/1000
381015120	12 x 1,5	12,80	175	292	500/1000
381015190	19 x 1,5	15,10	274	445	500/1000
381015240	24 x 1,5	17,80	345	556	500/1000
381025020	2 x 2,5	8,50	49	100	500/1000
381025030	3 x 2,5	8,80	71	130	500/1000
381025040	4 x 2,5	9,60	93	163	500/1000
381025050	5 x 2,5	10,60	115	200	500/1000
381025060	6 x 2,5	11,70	137	243	500/1000
381025070	7 x 2,5	11,70	159	265	500/1000
381025100	10 x 2,5	15,00	225	374	500/1000
381025120	12 x 2,5	15,40	267	433	500/1000
381025190	19 x 2,5	18,30	423	665	500/1000
381025240	24 x 2,5	21,50	533	830	500/1000

RE-2X(St) H..CI (MULTIPAIR)

CU/MGT+XLPE/OSCR/LSZH..CI



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

CONSTRUCTION

1 - Conductor	IEC 60228 ;DIN VDE 0295;EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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; RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St) H..CI (MULTIPAIR)

CU/MGT+XLPE/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381150010	1 x 2 x 0,50	5,60	14	45	500/1000
381150020	2 x 2 x 0,50	8,20	23	60	500/1000
381150040	4 x 2 x 0,50	9,40	42	100	500/1000
381150060	6 x 2 x 0,50	11,00	60	140	500/1000
381150080	8 x 2 x 0,50	11,80	78	165	500/1000
381150100	10 x 2 x 0,50	13,80	97	210	500/1000
381150120	12 x 2 x 0,50	14,20	115	235	500/1000
381150160	16 x 2 x 0,50	16,00	152	300	500/1000
381150200	20 x 2 x 0,50	18,00	189	370	500/1000
381150240	24 x 2 x 0,50	19,50	225	430	500/1000
381175010	1 x 2 x 0,75	6,00	19	50	500/1000
381175020	2 x 2 x 0,75	9,00	33	80	500/1000
381175040	4 x 2 x 0,75	10,20	60	120	500/1000
381175060	6 x 2 x 0,75	12,20	88	170	500/1000
381175080	8 x 2 x 0,75	13,40	117	220	500/1000
381175100	10 x 2 x 0,75	15,00	144	260	500/1000
381175120	12 x 2 x 0,75	15,80	173	305	500/1000
381175160	16 x 2 x 0,75	18,00	229	400	500/1000
381175200	20 x 2 x 0,75	20,00	285	480	500/1000
381175240	24 x 2 x 0,75	21,50	340	570	500/1000
381101010	1 x 2 x 1	6,40	23	58	500/1000
381101020	2 x 2 x 1	6,60	41	100	500/1000
381101040	4 x 2 x 1	11,00	77	140	500/1000
381101060	6 x 2 x 1	13,50	113	220	500/1000
381101080	8 x 2 x 1	14,40	149	260	500/1000
381101100	10 x 2 x 1	16,20	185	320	500/1000
381101120	12 x 2 x 1	16,80	221	370	500/1000
381101160	16 x 2 x 1	19,50	293	500	500/1000
381101200	20 x 2 x 1	21,50	365	602	500/1000
381101240	24 x 2 x 1	23,50	437	730	500/1000
381113010	1 x 2 x 1,3	6,80	29	90	500/1000
381113020	2 x 2 x 1,3	10,00	53	115	500/1000
381113040	4 x 2 x 1,3	11,60	101	170	500/1000
381113060	6 x 2 x 1,3	14,30	149	260	500/1000
381113080	8 x 2 x 1,3	15,20	197	320	500/1000
381113100	10 x 2 x 1,3	17,20	245	410	500/1000
381113120	12 x 2 x 1,3	18,40	293	480	500/1000
381113160	16 x 2 x 1,3	20,80	389	600	500/1000
381113200	20 x 2 x 1,3	23,30	485	780	500/1000
381113240	24 x 2 x 1,3	25,40	581	890	500/1000
381115010	1 x 2 x 1,5	7,00	33	100	500/1000
381115020	2 x 2 x 1,5	11,20	61	135	500/1000
381115040	4 x 2 x 1,5	13,30	117	220	500/1000
381115060	6 x 2 x 1,5	16,00	173	310	500/1000
381115080	8 x 2 x 1,5	17,00	229	380	500/1000
381115100	10 x 2 x 1,5	20,00	285	480	500/1000
381115120	12 x 2 x 1,5	21,00	341	560	500/1000
381115160	16 x 2 x 1,5	24,00	453	740	500/1000
381115200	20 x 2 x 1,5	26,50	565	890	500/1000
381115240	24 x 2 x 1,5	29,00	677	1080	500/1000

RE-2X(St)H-PIMF..CI

CU/MGT+XLPE/PSCR/OSCR/LSZH..CI

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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK RAL 2003* ORANGE; RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

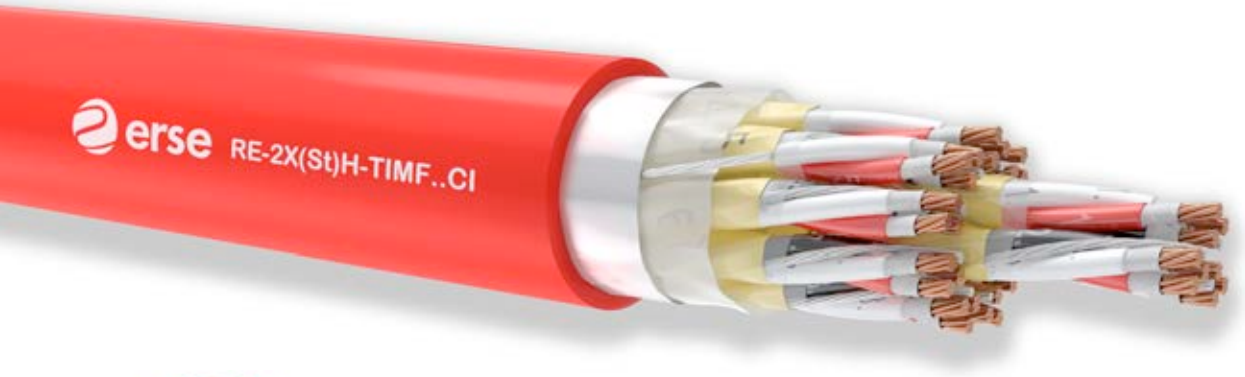
RE-2X(St)H-PIMF..CI

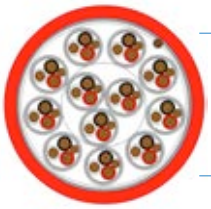
CU/MGT+XLPE/PSCR/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381250020	2 x 2 x 0,50	9,10	32	90	500/1000
381250040	4 x 2 x 0,50	10,60	60	130	500/1000
381250060	6 x 2 x 0,50	13,00	88	185	500/1000
381250080	8 x 2 x 0,50	14,10	115	220	500/1000
381250100	10 x 2 x 0,50	16,50	143	270	500/1000
381250120	12 x 2 x 0,50	17,20	170	300	500/1000
381250160	16 x 2 x 0,50	19,30	225	400	500/1000
381250200	20 x 2 x 0,50	21,40	280	475	500/1000
381250240	24 x 2 x 0,50	24,00	336	565	500/1000
381275020	2 x 2 x 0,75	9,80	42	110	500/1000
381275040	4 x 2 x 0,75	11,60	79	145	500/1000
381275060	6 x 2 x 0,75	14,10	116	230	500/1000
381275080	8 x 2 x 0,75	15,20	154	270	500/1000
381275100	10 x 2 x 0,75	18,10	191	330	500/1000
381275120	12 x 2 x 0,75	18,70	228	400	500/1000
381275160	16 x 2 x 0,75	21,10	302	500	500/1000
381275200	20 x 2 x 0,75	23,50	377	600	500/1000
381275240	24 x 2 x 0,75	26,30	451	730	500/1000
381201020	2 x 2 x 1	10,50	51	125	500/1000
381201040	4 x 2 x 1	12,50	98	185	500/1000
381201060	6 x 2 x 1	15,20	145	270	500/1000
381201080	8 x 2 x 1	16,70	192	325	500/1000
381201100	10 x 2 x 1	19,70	239	415	500/1000
381201120	12 x 2 x 1	20,40	285	465	500/1000
381201160	16 x 2 x 1	22,80	379	590	500/1000
381201200	20 x 2 x 1	25,60	473	740	500/1000
381201240	24 x 2 x 1	28,70	566	850	500/1000
381213020	2 x 2 x 1,3	11,50	63	145	500/1000
381213040	4 x 2 x 1,3	13,30	120	220	500/1000
381213060	6 x 2 x 1,3	16,40	179	315	500/1000
381213080	8 x 2 x 1,3	17,80	237	390	500/1000
381213100	10 x 2 x 1,3	21,10	295	480	500/1000
381213120	12 x 2 x 1,3	22,00	353	540	500/1000
381213160	16 x 2 x 1,3	24,70	467	740	500/1000
381213200	20 x 2 x 1,3	25,60	585	950	500/1000
381213240	24 x 2 x 1,3	28,70	700	1050	500/1000
381215020	2 x 2 x 1,5	11,80	70	165	500/1000
381215040	4 x 2 x 1,5	14,10	135	255	500/1000
381215060	6 x 2 x 1,5	16,90	200	335	500/1000
381215080	8 x 2 x 1,5	18,40	265	430	500/1000
381215100	10 x 2 x 1,5	22,00	331	525	500/1000
381215120	12 x 2 x 1,5	22,80	396	620	500/1000
381215160	16 x 2 x 1,5	25,60	526	825	500/1000
381215200	20 x 2 x 1,5	28,70	657	1050	500/1000
381215240	24 x 2 x 1,5	32,10	787	1230	500/1000

RE-2X(St)H-TIMF..CI

CU/MGT+XLPE/TSCR/OSCR/ LSZH..CI





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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4 - Individual screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK RAL 2003* ORANGE; RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

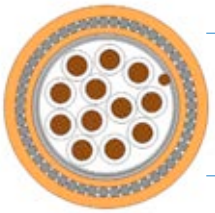
RE-2X(St)H-TIMF..CI

CU/MGT+XLPE/TSCR/OSCR/ LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381350020	2 x 3 x 0,50	10,10	42	125	500/1000
381350040	4 x 3 x 0,50	12,00	79	203	500/1000
381350060	6 x 3 x 0,50	14,50	116	288	500/1000
381350080	8 x 3 x 0,50	15,70	152	358	500/1000
381350100	10 x 3 x 0,50	18,70	189	452	500/1000
381350120	12 x 3 x 0,50	19,20	225	522	500/1000
381350160	16 x 3 x 0,50	21,50	299	678	500/1000
381350200	20 x 3 x 0,50	24,00	373	843	500/1000
381350240	24 x 3 x 0,50	27,50	447	1020	500/1000
381375020	2 x 3 x 0,75	10,80	55	145	500/1000
381375040	4 x 3 x 0,75	12,80	106	238	500/1000
381375060	6 x 3 x 0,75	15,60	157	361	500/1000
381375080	8 x 3 x 0,75	17,10	207	442	500/1000
381375100	10 x 3 x 0,75	20,30	258	564	500/1000
381375120	12 x 3 x 0,75	21,00	308	651	500/1000
381375160	16 x 3 x 0,75	23,50	410	854	500/1000
381375200	20 x 3 x 0,75	26,30	511	1050	500/1000
381375240	24 x 3 x 0,75	29,50	611	1250	500/1000
381301020	2 x 3 x 1	11,80	70	176	500/1000
381301040	4 x 3 x 1	13,80	135	247	500/1000
381301060	6 x 3 x 1	17,00	200	437	500/1000
381301080	8 x 3 x 1	18,30	266	534	500/1000
381301100	10 x 3 x 1	22,00	331	687	500/1000
381301120	12 x 3 x 1	22,80	396	794	500/1000
381301160	16 x 3 x 1	25,50	526	1005	500/1000
381301200	20 x 3 x 1	28,50	658	1270	500/1000
381301240	24 x 3 x 1	32,00	788	1466	500/1000
381313020	2 x 3 x 1,3	12,70	86	205	500/1000
381313040	4 x 3 x 1,3	15,10	168	343	500/1000
381313060	6 x 3 x 1,3	18,30	249	518	500/1000
381313080	8 x 3 x 1,3	20,10	331	644	500/1000
381313100	10 x 3 x 1,3	24,00	414	811	500/1000
381313120	12 x 3 x 1,3	25,00	495	944	500/1000
381313160	16 x 3 x 1,3	28,00	658	1254	500/1000
381313200	20 x 3 x 1,3	31,20	823	1543	500/1000
381313240	24 x 3 x 1,3	35,00	986	1844	500/1000
381315020	2 x 3 x 1,5	13,00	98	224	500/1000
381315040	4 x 3 x 1,5	15,50	191	376	500/1000
381315060	6 x 3 x 1,5	19,10	284	568	500/1000
381315080	8 x 3 x 1,5	20,90	377	710	500/1000
381315100	10 x 3 x 1,5	24,80	471	898	500/1000
381315120	12 x 3 x 1,5	25,70	564	1052	500/1000
381315160	16 x 3 x 1,5	28,80	750	1384	500/1000
381315200	20 x 3 x 1,5	32,20	937	1700	500/1000
381315240	24 x 3 x 1,5	36,50	1123	2050	500/1000

RE-2X(St)HSWAH..CI (MULTICORE)

CU/MGT+XLPE/OSCR/ LSZH/SWA/LZSH..CI



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	WHITE INSULATED CORES WITH BLACK NUMBER IMPRINTED
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 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK OR RAL 2003* ORANGE; RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	100		BS EN 60332-3-24
2,5	7,41		2,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

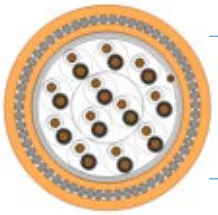
RE-2X(St)HSWAH..CI (MULTICORE)

CU/MGT+XLPE/OSCR/ LSZH/SWA/LZSH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381450020	2 x 0,50	14	5,80	10,40	205	500/1000
381450030	3 x 0,50	18	6,00	10,60	217	500/1000
381450040	4 x 0,50	23	6,50	11,10	234	500/1000
381450050	5 x 0,50	28	7,10	11,90	266	500/1000
381450060	6 x 0,50	32	7,60	12,40	291	500/1000
381450070	7 x 0,50	37	7,60	12,40	300	500/1000
381450100	10 x 0,50	51	9,40	14,20	367	500/1000
381450120	12 x 0,50	92	9,60	14,40	394	500/1000
381450190	19 x 0,50	115	11,20	16,20	500	500/1000
381450240	24 x 0,50	144	13,00	18,00	591	500/1000
381475020	2 x 0,75	19	6,20	10,80	218	500/1000
381475030	3 x 0,75	26	6,40	11,00	235	500/1000
381475040	4 x 0,75	33	6,80	11,40	254	500/1000
381475050	5 x 0,75	40	7,50	12,30	296	500/1000
381475060	6 x 0,75	47	8,10	12,90	324	500/1000
381475070	7 x 0,75	54	8,10	12,90	333	500/1000
381475100	10 x 0,75	75	10,10	14,90	420	500/1000
381475120	12 x 0,75	89	10,40	15,20	450	500/1000
381475190	19 x 0,75	138	12,10	17,10	580	500/1000
381475240	24 x 0,75	173	14,00	19,00	680	500/1000
381401020	2 x 1	23	6,60	11,40	238	500/1000
381401030	3 x 1	32	6,90	11,50	258	500/1000
381401040	4 x 1	41	7,40	12,20	289	500/1000
381401050	5 x 1	50	7,60	12,40	310	500/1000
381401060	6 x 1	60	8,70	13,50	359	500/1000
381401070	7 x 1	69	8,70	13,50	368	500/1000
381401100	10 x 1	97	10,90	15,90	480	500/1000
381401120	12 x 1	115	11,30	16,30	519	500/1000
381401190	19 x 1	180	13,20	18,20	660	500/1000
381401240	24 x 1	225	15,30	21,20	911	500/1000
381415020	2 x 1,5	33	7,20	12,00	271	500/1000
381415030	3 x 1,5	47	7,60	12,40	298	500/1000
381415040	4 x 1,5	61	8,20	13,00	334	500/1000
381415050	5 x 1,5	76	9,00	13,80	380	500/1000
381415060	6 x 1,5	90	9,70	14,50	424	500/1000
381415070	7 x 1,5	104	9,70	14,50	438	500/1000
381415100	10 x 1,5	147	12,20	17,20	570	500/1000
381415120	12 x 1,5	175	12,60	17,60	621	500/1000
381415190	19 x 1,5	274	14,70	19,90	820	500/1000
381415240	24 x 1,5	345	17,20	23,30	1119	500/1000
381425020	2 x 2,5	49	8,50	13,30	326	500/1000
381425030	3 x 2,5	71	8,80	13,60	371	500/1000
381425040	4 x 2,5	93	9,60	14,40	417	500/1000
381425050	5 x 2,5	115	10,60	15,60	488	500/1000
381425060	6 x 2,5	137	11,50	16,50	548	500/1000
381425070	7 x 2,5	159	11,50	16,50	568	500/1000
381425100	10 x 2,5	225	14,60	19,80	758	500/1000
381425120	12 x 2,5	267	15,00	20,20	825	500/1000
381425190	19 x 2,5	423	17,70	23,80	1305	500/1000
381425240	24 x 2,5	533	20,70	27,00	1514	500/1000

RE-2X(St)HSWAH..CI (MULTIPAIR)

CU/MGT+XLPE/OSCR/LSZH/ SWA/LSZH..CI



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	65		IEC 60332-3-24
0,75	24,5		0,75	65	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	65	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	75		BS EN 60332-3-24
1,5	12,1		1,5	75		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

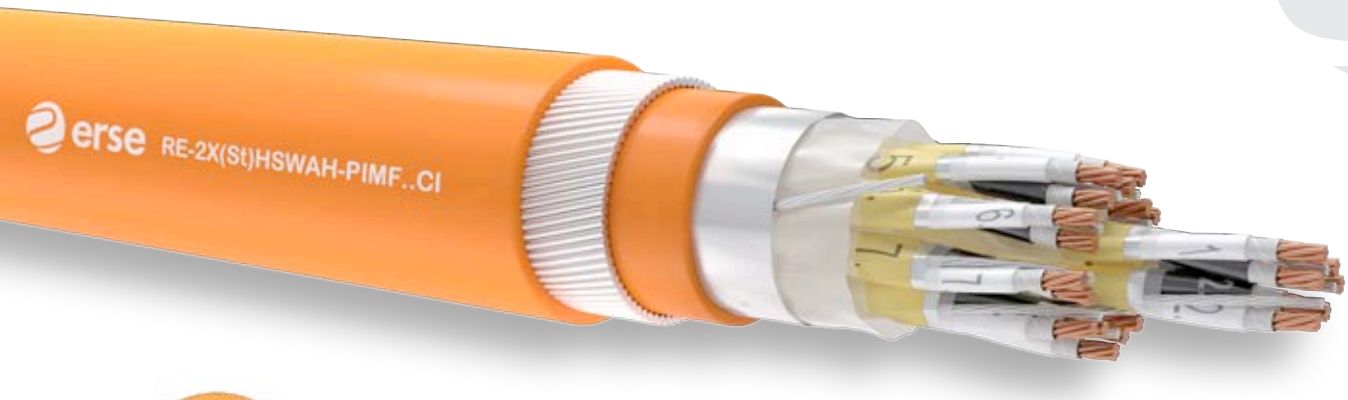
RE-2X(St)HSWAH..CI (MULTIPAIR)

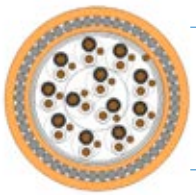
CU/MGT+XLPE/OSCR/LSZH/ SWA/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381550010	1 x 2 x 0,50	14	5,80	10,60	206	500/1000
381550020	2 x 2 x 0,50	23	8,00	12,80	289	500/1000
381550040	4 x 2 x 0,50	42	9,20	14,00	353	500/1000
381550060	6 x 2 x 0,50	60	11,00	16,00	452	500/1000
381550080	8 x 2 x 0,50	78	12,10	17,20	506	500/1000
381550100	10 x 2 x 0,50	97	13,60	18,60	580	500/1000
381550120	12 x 2 x 0,50	115	13,90	18,90	616	500/1000
381550160	16 x 2 x 0,50	152	15,80	21,70	860	500/1000
381550200	20 x 2 x 0,50	189	17,70	23,80	998	500/1000
381550240	24 x 2 x 0,50	225	19,10	25,20	1115	500/1000
381575010	1 x 2 x 0,75	19	6,20	10,80	222	500/1000
381575020	2 x 2 x 0,75	33	8,60	13,40	321	500/1000
381575040	4 x 2 x 0,75	60	10,00	14,80	400	500/1000
381575060	6 x 2 x 0,75	88	12,00	17,00	514	500/1000
381575080	8 x 2 x 0,75	117	13,20	18,20	582	500/1000
381575100	10 x 2 x 0,75	144	14,90	20,10	683	500/1000
381575120	12 x 2 x 0,75	173	15,20	21,10	841	500/1000
381575160	16 x 2 x 0,75	229	17,30	23,40	1013	500/1000
381575200	20 x 2 x 0,75	285	19,40	25,50	1165	500/1000
381575240	24 x 2 x 0,75	340	21,00	27,30	1320	500/1000
381501010	1 x 2 x 1	23	6,60	11,40	239	500/1000
381501020	2 x 2 x 1	41	9,20	14,00	353	500/1000
381501040	4 x 2 x 1	77	10,80	15,90	450	500/1000
381501060	6 x 2 x 1	113	13,00	18,00	585	500/1000
381501080	8 x 2 x 1	149	14,30	19,50	668	500/1000
381501100	10 x 2 x 1	185	16,20	22,10	891	500/1000
381501120	12 x 2 x 1	221	16,50	22,40	957	500/1000
381501160	16 x 2 x 1	293	19,10	25,20	1185	500/1000
381501200	20 x 2 x 1	395	21,10	27,40	1368	500/1000
381501240	24 x 2 x 1	462	22,90	29,20	1538	500/1000
381513010	1 x 2 x 1,3	29	7,00	11,80	259	500/1000
381513020	2 x 2 x 1,3	53	9,90	14,70	384	500/1000
381513040	4 x 2 x 1,3	101	11,60	16,60	500	500/1000
381513060	6 x 2 x 1,3	149	14,00	19,00	652	500/1000
381513080	8 x 2 x 1,3	197	15,40	21,30	860	500/1000
381513100	10 x 2 x 1,3	245	17,40	23,50	1020	500/1000
381513120	12 x 2 x 1,3	293	17,80	23,90	1147	500/1000
381513160	16 x 2 x 1,3	389	20,30	26,40	1327	500/1000
381513200	20 x 2 x 1,3	485	22,90	29,20	1562	500/1000
381513240	24 x 2 x 1,3	581	24,80	31,30	1695	500/1000
381515010	1 x 2 x 1,5	33	7,20	12,00	272	500/1000
381515020	2 x 2 x 1,5	61	10,20	15,00	402	500/1000
381515040	4 x 2 x 1,5	117	12,00	17,00	528	500/1000
381515060	6 x 2 x 1,5	173	15,00	20,10	721	500/1000
381515080	8 x 2 x 1,5	229	16,20	22,10	926	500/1000
381515100	10 x 2 x 1,5	285	18,30	24,40	1087	500/1000
381515120	12 x 2 x 1,5	341	19,10	25,20	1201	500/1000
381515160	16 x 2 x 1,5	453	21,10	27,40	1446	500/1000
381515200	20 x 2 x 1,5	565	24,50	31,00	1725	500/1000
381515240	24 x 2 x 1,5	677	27,60	35,00	2211	500/1000

RE-2X(St)HSWAH-PIMF..CI

CU/MGT+XLPE/PSCR/OSCR/ LSZH/ SWA/LSZH..CI





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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

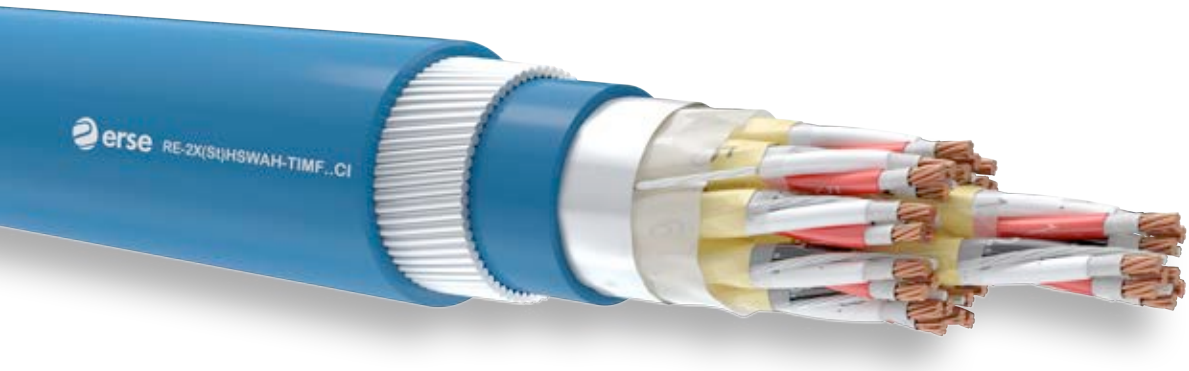
RE-2X(St)HSWAH-PIMF..CI

CU/MGT+XLPE/PSCR/OSCR/ LSZH/ SWA/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm^2)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381650020	2 x 2 x 0,50	32	9,10	14,00	340	500/1000
381650040	4 x 2 x 0,50	60	10,60	15,50	430	500/1000
381650060	6 x 2 x 0,50	88	12,60	17,50	550	500/1000
381650080	8 x 2 x 0,50	115	13,70	18,80	610	500/1000
381650100	10 x 2 x 0,50	143	16,00	22,00	850	500/1000
381650120	12 x 2 x 0,50	170	16,60	22,50	910	500/1000
381650160	16 x 2 x 0,50	225	18,50	24,50	1090	500/1000
381650200	20 x 2 x 0,50	280	20,60	27,00	1270	500/1000
381650240	24 x 2 x 0,50	336	23,00	30,00	1460	500/1000
381675020	2 x 2 x 0,75	42	9,80	14,50	370	500/1000
381675040	4 x 2 x 0,75	79	11,40	16,50	475	500/1000
381675060	6 x 2 x 0,75	116	13,80	18,80	615	500/1000
381675080	8 x 2 x 0,75	154	14,80	20,00	700	500/1000
381675100	10 x 2 x 0,75	191	17,50	23,90	980	500/1000
381675120	12 x 2 x 0,75	228	18,00	24,50	1050	500/1000
381675160	16 x 2 x 0,75	302	20,40	26,50	1250	500/1000
381675200	20 x 2 x 0,75	377	22,50	29,00	1450	500/1000
381675240	24 x 2 x 0,75	451	25,00	31,80	1680	500/1000
381601020	2 x 2 x 1	51	10,50	15,50	411	500/1000
381601040	4 x 2 x 1	98	12,30	17,50	530	500/1000
381601060	6 x 2 x 1	145	14,80	20,00	695	500/1000
381601080	8 x 2 x 1	192	16,00	21,50	895	500/1000
381601100	10 x 2 x 1	239	19,00	25,00	1085	500/1000
381601120	12 x 2 x 1	285	19,60	26,00	1180	500/1000
381601160	16 x 2 x 1	379	21,80	28,20	1415	500/1000
381601200	20 x 2 x 1	473	24,50	31,00	1670	500/1000
381601240	24 x 2 x 1	566	27,50	35,00	2130	500/1000
381613020	2 x 2 x 1,3	63	11,30	16,50	455	500/1000
381613040	4 x 2 x 1,3	120	13,20	18,20	580	500/1000
381613060	6 x 2 x 1,3	179	16,00	21,00	875	500/1000
381613080	8 x 2 x 1,3	237	17,40	23,50	1010	500/1000
381613100	10 x 2 x 1,3	295	20,50	26,50	1210	500/1000
381613120	12 x 2 x 1,3	353	21,00	27,50	1320	500/1000
381613160	16 x 2 x 1,3	467	23,50	30,00	1600	500/1000
381613200	20 x 2 x 1,3	585	26,50	33,60	2050	500/1000
381613240	24 x 2 x 1,3	700	30,00	37,50	2420	500/1000
381615020	2 x 2 x 1,5	70	11,70	16,80	470	500/1000
381615040	4 x 2 x 1,5	135	14,00	19,00	615	500/1000
381615060	6 x 2 x 1,5	200	16,50	22,50	925	500/1000
381615080	8 x 2 x 1,5	265	18,00	24,00	1060	500/1000
381615100	10 x 2 x 1,5	331	21,00	27,50	1300	500/1000
381615120	12 x 2 x 1,5	396	22,00	28,20	1470	500/1000
381615160	16 x 2 x 1,5	526	24,50	31,00	1715	500/1000
381615200	20 x 2 x 1,5	657	27,50	35,00	2221	500/1000
381615240	24 x 2 x 1,5	787	31,00	38,70	2600	500/1000

RE-2X(St)HSWAH-TIMF..CI

CU/MGT+XLPE/TSCR/OSCR/ LSZH/SWA/LSZH..CI



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	MICA TAPE+EN 50290-2-29 XLPE COMPOUND
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED IMPRINTED
4 - Individual Screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Inner Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Armour	GALVANIZED ROUND STEEL WIRES
10 - Sheath	EN 50290-2-27 LSZH COMPOUND
11 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	100		IEC 60332-3-24
0,75	24,5		0,75	100	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	5000	1,0	100	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	100		BS EN 60332-3-24
1,5	12,1		1,5	100		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2X(St)HSWAH-TIMF..CI

CU/MGT+XLPE/TSCR/OSCR/ LSZH/SWA/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381750020	2 x 3 x 0,50	42	10,40	15,00	380	500/1000
381750040	4 x 3 x 0,50	79	12,00	16,80	485	500/1000
381750060	6 x 3 x 0,50	116	14,30	19,10	620	500/1000
381750080	8 x 3 x 0,50	152	15,50	21,20	815	500/1000
381750100	10 x 3 x 0,50	189	18,30	24,20	990	500/1000
381750120	12 x 3 x 0,50	225	18,90	24,80	1065	500/1000
381750160	16 x 3 x 0,50	299	21,00	27,40	1290	500/1000
381750200	20 x 3 x 0,50	373	23,40	29,50	1485	500/1000
381750240	24 x 3 x 0,50	447	26,20	33,00	1890	500/1000
381775020	2 x 3 x 0,75	55	11,10	15,90	425	500/1000
381775040	4 x 3 x 0,75	106	12,90	17,70	545	500/1000
381775060	6 x 3 x 0,75	157	15,50	21,20	830	500/1000
381775080	8 x 3 x 0,75	207	16,80	22,50	940	500/1000
381775100	10 x 3 x 0,75	258	19,80	25,70	1160	500/1000
381775120	12 x 3 x 0,75	308	20,50	26,40	1260	500/1000
381775160	16 x 3 x 0,75	410	22,80	28,90	1500	500/1000
381775200	20 x 3 x 0,75	511	25,40	31,70	1760	500/1000
381775240	24 x 3 x 0,75	611	28,80	36,00	2300	500/1000
381701020	2 x 3 x 1	70	11,90	16,70	465	500/1000
381701040	4 x 3 x 1	135	13,70	18,70	610	500/1000
381701060	6 x 3 x 1	200	16,60	22,30	925	500/1000
381701080	8 x 3 x 1	266	18,00	23,90	1060	500/1000
381701100	10 x 3 x 1	331	20,70	27,40	1300	500/1000
381701120	12 x 3 x 1	396	22,00	28,10	1400	500/1000
381701160	16 x 3 x 1	526	24,80	31,10	1710	500/1000
381701200	20 x 3 x 1	658	27,40	34,40	2200	500/1000
381701240	24 x 3 x 1	788	31,10	38,50	2610	500/1000
381713020	2 x 3 x 1,3	86	12,80	17,60	515	500/1000
381713040	4 x 3 x 1,3	168	15,00	20,00	700	500/1000
381713060	6 x 3 x 1,3	249	18,00	23,90	1055	500/1000
381713080	8 x 3 x 1,3	331	19,60	25,50	1200	500/1000
381713100	10 x 3 x 1,3	414	23,20	29,30	1500	500/1000
381713120	12 x 3 x 1,3	495	24,00	30,10	1610	500/1000
381713160	16 x 3 x 1,3	658	26,80	33,80	2180	500/1000
381713200	20 x 3 x 1,3	823	30,30	37,50	2600	500/1000
381713240	24 x 3 x 1,3	986	33,90	41,30	3030	500/1000
381715020	2 x 3 x 1,5	98	13,20	18,00	545	500/1000
381715040	4 x 3 x 1,5	191	15,40	20,40	735	500/1000
381715060	6 x 3 x 1,5	284	18,60	24,50	1115	500/1000
381715080	8 x 3 x 1,5	377	20,20	26,10	1280	500/1000
381715100	10 x 3 x 1,5	471	23,90	30,00	1570	500/1000
381715120	13 x 3 x 1,5	564	24,80	31,10	1750	500/1000
381715160	16 x 3 x 1,5	750	28,10	35,30	2370	500/1000
381715200	20 x 3 x 1,5	937	31,30	38,70	2740	500/1000
381715240	24 x 3 x 1,5	1123	35,00	42,60	3220	500/1000

RE-2G(St)H..CI (MULTICORE)

CU/SI/OSCR/LSZH..CI

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

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 LSZH COMPOUND
8 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm^2	Ω/km	MΩxKm	mm^2	pF/m		
0,50	36		0,50	150		IEC 60332-3-24
0,75	24,5		0,75	150	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	300	1,0	150	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	150		BS EN 60332-3-24
2,5	7,41		2,5	150		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm^2	µH/Ω	mm^2	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2G(St)H..CI (MULTICORE)

CU/SI/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381850020	2 x 0,50	5,60	14	45	500/1000
381850030	3 x 0,50	5,80	18	50	500/1000
381850040	4 x 0,50	6,30	23	58	500/1000
381850050	5 x 0,50	6,90	28	68	500/1000
381850060	6 x 0,50	7,40	32	78	500/1000
381850070	7 x 0,50	7,40	37	84	500/1000
381850100	10 x 0,50	9,40	51	115	500/1000
381850120	12 x 0,50	9,60	92	135	500/1000
381850190	19 x 0,50	11,50	115	201	500/1000
381850240	24 x 0,50	13,20	144	248	500/1000
381875020	2 x 0,75	6,00	19	50	500/1000
381875030	3 x 0,75	6,20	26	59	500/1000
381875040	4 x 0,75	6,60	33	72	500/1000
381875050	5 x 0,75	7,30	40	87	500/1000
381875060	6 x 0,75	7,90	47	102	500/1000
381875070	7 x 0,75	7,90	54	109	500/1000
381875100	10 x 0,75	10,10	75	152	500/1000
381875120	12 x 0,75	10,40	89	173	500/1000
381875190	19 x 0,75	12,30	138	260	500/1000
381875240	24 x 0,75	14,40	173	328	500/1000
381801020	2 x 1	6,40	23	58	500/1000
381801030	3 x 1	6,70	32	70	500/1000
381801040	4 x 1	7,20	41	88	500/1000
381801050	5 x 1	7,40	50	98	500/1000
381801060	6 x 1	8,70	60	121	500/1000
381801070	7 x 1	8,70	69	130	500/1000
381801100	10 x 1	11,10	97	192	500/1000
381801120	12 x 1	11,50	115	220	500/1000
381801190	19 x 1	13,40	180	322	500/1000
381801240	24 x 1	15,70	225	405	500/1000
381815020	2 x 1,5	7,00	33	70	500/1000
381815030	3 x 1,5	7,40	47	91	500/1000
381815040	4 x 1,5	8,00	61	111	500/1000
381815050	5 x 1,5	9,00	76	137	500/1000
381815060	6 x 1,5	9,70	90	165	500/1000
381815070	7 x 1,5	9,70	104	179	500/1000
381815100	10 x 1,5	12,40	147	253	500/1000
381815120	12 x 1,5	12,80	175	292	500/1000
381815190	19 x 1,5	15,10	274	445	500/1000
381815240	24 x 1,5	17,80	345	556	500/1000
381825020	2 x 2,5	8,50	49	100	500/1000
381825030	3 x 2,5	8,80	71	130	500/1000
381825040	4 x 2,5	9,60	93	163	500/1000
381825050	5 x 2,5	10,60	115	200	500/1000
381825060	6 x 2,5	11,70	137	243	500/1000
381825070	7 x 2,5	11,70	159	265	500/1000
381825100	10 x 2,5	15,00	225	374	500/1000
381825120	12 x 2,5	15,40	267	433	500/1000
381825190	19 x 2,5	18,30	423	665	500/1000
381825240	24 x 2,5	21,50	533	830	500/1000

RE-2G(St)H..CI (MULTIPAIR)

CU/SI/OSCR/LSZH..CI

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

CONSTRUCTION

1 - Conductor	IEC 60228 ;DIN VDE 0295;EN 60228
2 - Insulation	EN 50363-1 EI2 SILICONE
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Stranding	PAIRWISE, PAIRS IN LAYERS
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; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2 (MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	110		IEC 60332-3-24
0,75	24,5		0,75	110	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	300	1,0	110	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	110		BS EN 60332-3-24
2,5	7,41		2,5	110		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

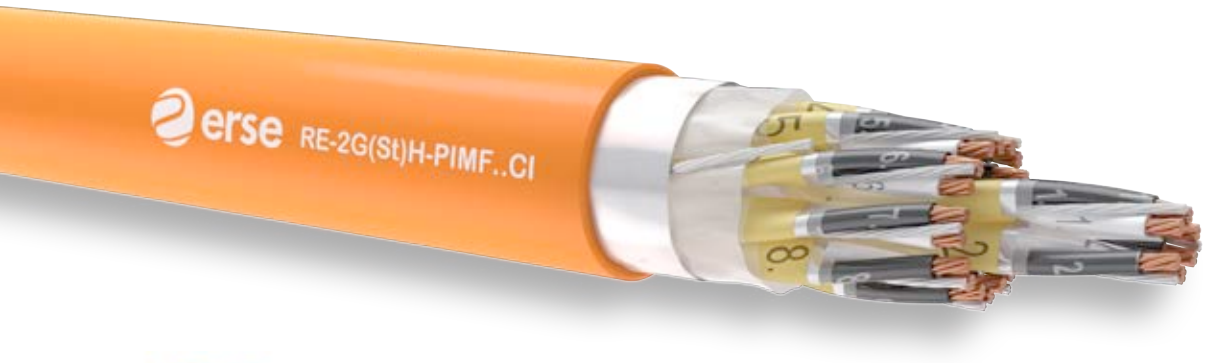
RE-2G(St)H..CI (MULTIPAIR)

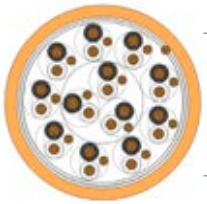
CU/SI/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381950010	1 x 2 x 0,50	6,10	14	45	500/1000
381950020	2 x 2 x 0,50	8,70	23	92	500/1000
381950040	4 x 2 x 0,50	10,10	42	125	500/1000
381950060	6 x 2 x 0,50	12,40	60	217	500/1000
381950080	8 x 2 x 0,50	13,80	78	240	500/1000
381950100	10 x 2 x 0,50	15,50	97	296	500/1000
381950120	12 x 2 x 0,50	15,80	115	328	500/1000
381950160	16 x 2 x 0,50	18,10	152	423	500/1000
381950200	20 x 2 x 0,50	20,40	189	512	500/1000
381950240	24 x 2 x 0,50	22,20	225	598	500/1000
381975010	1 x 2 x 0,75	6,60	19	50	500/1000
381975020	2 x 2 x 0,75	9,40	33	120	500/1000
381975040	4 x 2 x 0,75	11,20	60	166	500/1000
381975060	6 x 2 x 0,75	13,40	88	262	500/1000
381975080	8 x 2 x 0,75	14,90	117	295	500/1000
381975100	10 x 2 x 0,75	17,00	144	378	500/1000
381975120	12 x 2 x 0,75	17,30	173	412	500/1000
381975160	16 x 2 x 0,75	20,10	229	546	500/1000
381975200	20 x 2 x 0,75	22,30	285	644	500/1000
381975240	24 x 2 x 0,75	24,10	340	761	500/1000
381901010	1 x 2 x 1	7,10	23	73	500/1000
381901020	2 x 2 x 1	10,10	41	140	500/1000
381901040	4 x 2 x 1	12,10	77	206	500/1000
381901060	6 x 2 x 1	14,60	113	315	500/1000
381901080	8 x 2 x 1	16,00	166	350	500/1000
381901100	10 x 2 x 1	18,20	196	426	500/1000
381901120	12 x 2 x 1	18,60	234	498	500/1000
381901160	16 x 2 x 1	21,30	309	650	500/1000
381901200	20 x 2 x 1	24,10	383	780	500/1000
381901240	24 x 2 x 1	26,20	456	923	500/1000
381913010	1 x 2 x 1,3	7,40	29	72	500/1000
381913020	2 x 2 x 1,3	10,70	53	163	500/1000
381913040	4 x 2 x 1,3	12,80	101	227	500/1000
381913060	6 x 2 x 1,3	15,60	149	359	500/1000
381913080	8 x 2 x 1,3	17,30	197	416	500/1000
381913100	10 x 2 x 1,3	19,70	245	514	500/1000
381913120	12 x 2 x 1,3	20,10	293	588	500/1000
381913160	16 x 2 x 1,3	23,10	389	789	500/1000
381913200	20 x 2 x 1,3	26,00	485	946	500/1000
381913240	24 x 2 x 1,3	28,30	581	1123	500/1000
381915010	1 x 2 x 1,5	7,50	33	87	500/1000
381915020	2 x 2 x 1,5	11,20	61	174	500/1000
381915040	4 x 2 x 1,5	13,30	117	259	500/1000
381915060	6 x 2 x 1,5	16,00	173	397	500/1000
381915080	8 x 2 x 1,5	17,70	229	452	500/1000
381915100	10 x 2 x 1,5	20,30	285	561	500/1000
381915120	12 x 2 x 1,5	20,70	341	646	500/1000
381915160	16 x 2 x 1,5	23,70	453	857	500/1000
381915200	20 x 2 x 1,5	26,80	565	1039	500/1000
381915240	24 x 2 x 1,5	29,00	677	1246	500/1000

RE-2G(St)H-PIMF..CI

CU/SI/PSCR/OSCR/LSZH..CI





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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50363-1 EI2 SILICONE
3 - Colour Code	BS 5308-1 OR BLACK-WHITE EACH PAIR NUMBERED
4 - Individual screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	PAIRWISE, SCREENED PAIRS IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	150		IEC 60332-3-24
0,75	24,5		0,75	150	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	300	1,0	150	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	150		BS EN 60332-3-24
1,5	12,1		1,5	150		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

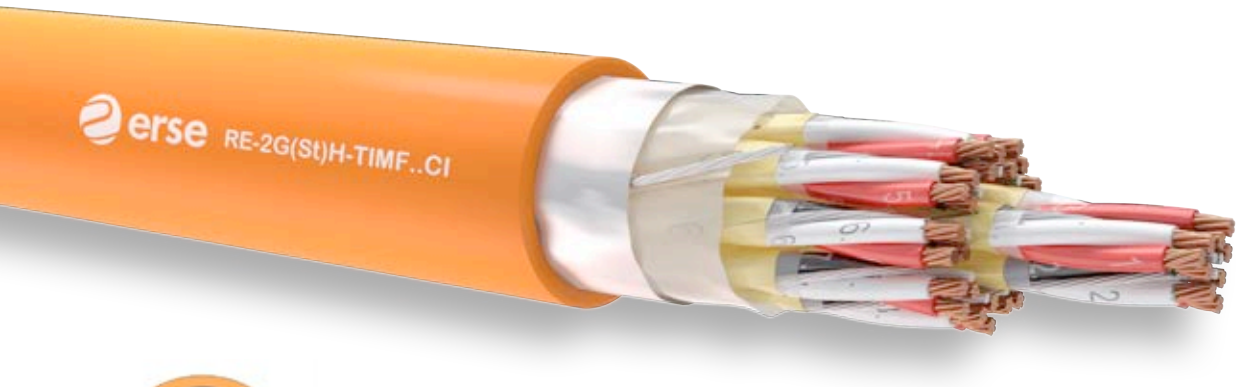
RE-2G(St)H-PIMF..CI

CU/SI/PSCR/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
382050020	2 x 2 x 0,50	9,90	32	112	500/1000
382050040	4 x 2 x 0,50	11,70	60	178	500/1000
382050060	6 x 2 x 0,50	14,30	88	273	500/1000
382050080	8 x 2 x 0,50	15,30	115	320	500/1000
382050100	10 x 2 x 0,50	18,30	143	396	500/1000
382050120	12 x 2 x 0,50	19,00	170	446	500/1000
382050160	16 x 2 x 0,50	21,30	225	575	500/1000
382050200	20 x 2 x 0,50	23,70	280	694	500/1000
382050240	24 x 2 x 0,50	26,60	336	839	500/1000
382075020	2 x 2 x 0,75	10,60	42	145	500/1000
382075040	4 x 2 x 0,75	12,60	79	211	500/1000
382075060	6 x 2 x 0,75	15,30	116	319	500/1000
382075080	8 x 2 x 0,75	16,80	154	376	500/1000
382075100	10 x 2 x 0,75	19,80	191	463	500/1000
382075120	12 x 2 x 0,75	20,50	228	539	500/1000
382075160	16 x 2 x 0,75	22,90	302	700	500/1000
382075200	20 x 2 x 0,75	25,70	377	842	500/1000
382075240	24 x 2 x 0,75	28,80	451	1015	500/1000
382001020	2 x 2 x 1	11,60	51	168	500/1000
382001040	4 x 2 x 1	13,40	98	251	500/1000
382001060	6 x 2 x 1	16,50	145	380	500/1000
382001080	8 x 2 x 1	17,90	192	450	500/1000
382001100	10 x 2 x 1	21,20	239	546	500/1000
382001120	12 x 2 x 1	22,10	285	629	500/1000
382001160	16 x 2 x 1	24,80	379	828	500/1000
382001200	20 x 2 x 1	27,70	473	1002	500/1000
382001240	24 x 2 x 1	31,10	566	1193	500/1000
382013020	2 x 2 x 1,3	12,40	63	188	500/1000
382013040	4 x 2 x 1,3	14,60	120	284	500/1000
382013060	6 x 2 x 1,3	17,70	179	434	500/1000
382013080	8 x 2 x 1,3	19,40	237	505	500/1000
382013100	10 x 2 x 1,3	23,00	295	631	500/1000
382013120	12 x 2 x 1,3	23,70	353	727	500/1000
382013160	16 x 2 x 1,3	26,60	467	960	500/1000
382013200	20 x 2 x 1,3	29,70	585	1158	500/1000
382013240	24 x 2 x 1,3	33,50	700	1397	500/1000
382015020	2 x 2 x 1,5	12,70	70	189	500/1000
382015040	4 x 2 x 1,5	15,00	135	314	500/1000
382015060	6 x 2 x 1,5	18,30	200	467	500/1000
382015080	8 x 2 x 1,5	19,90	265	545	500/1000
382015100	10 x 2 x 1,5	23,70	331	685	500/1000
382015120	12 x 2 x 1,5	24,70	396	804	500/1000
382015160	16 x 2 x 1,5	27,60	526	1058	500/1000
382015200	20 x 2 x 1,5	30,90	657	1274	500/1000
382015240	24 x 2 x 1,5	34,60	787	1522	500/1000

RE-2G(St)H-TIMF..CI

CU/SI/TSCR/OSCR/LSZH..CI



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

CONSTRUCTION

1 - Conductor	IEC 60228 / DIN VDE 0295 / EN 60228
2 - Insulation	EN 50363-1 EI2 SILICONE
3 - Colour Code	BS 5308-1 OR BLACK-WHITE-RED EACH TRIAD NUMBERED
4 - Individual screen	PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
5 - Stranding	SCREENED TRIPLES IN LAYERS
6 - Wrapping	PES TAPE
7 - Overall Screen	TINNED COPPER DRAIN WIRE; AL-PES TAPE
8 - Sheath	EN 50290-2-27 LSZH COMPOUND
9 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	150		IEC 60332-3-24
0,75	24,5		0,75	150	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	300	1,0	150	(FIXED LAYING)	EN 60332-3-24
1,3	13,9		1,3	150		BS EN 60332-3-24
1,5	12,1		1,5	150		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	7,5 X Cable Ø
1,0	25	1,0	16			
1,3	40	1,3	18			
1,5	40	1,5	20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2G(St)H-TIMF..CI

CU/SI/TSCR/OSCR/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
382150020	2 x 3 x 0,50	10,10	42	125	500/1000
382150040	4 x 3 x 0,50	12,00	79	203	500/1000
382150060	6 x 3 x 0,50	14,50	116	288	500/1000
382150080	8 x 3 x 0,50	15,70	152	358	500/1000
382150100	10 x 3 x 0,50	18,70	189	452	500/1000
382150120	12 x 3 x 0,50	19,20	225	522	500/1000
382150160	16 x 3 x 0,50	21,50	299	678	500/1000
382150200	20 x 3 x 0,50	24,20	373	843	500/1000
382150240	24 x 3 x 0,50	27,50	447	1020	500/1000
382175020	2 x 3 x 0,75	10,80	55	145	500/1000
382175040	4 x 3 x 0,75	12,80	106	238	500/1000
382175060	6 x 3 x 0,75	15,60	157	361	500/1000
382175080	8 x 3 x 0,75	17,10	207	442	500/1000
382175100	10 x 3 x 0,75	20,30	258	564	500/1000
382175120	12 x 3 x 0,75	21,00	308	651	500/1000
382175160	16 x 3 x 0,75	23,50	410	854	500/1000
382175200	20 x 3 x 0,75	26,30	511	1050	500/1000
382175240	24 x 3 x 0,75	29,50	611	1250	500/1000
382101020	2 x 3 x 1	11,80	70	176	500/1000
382101040	4 x 3 x 1	13,80	135	247	500/1000
382101060	6 x 3 x 1	17,00	200	437	500/1000
382101080	8 x 3 x 1	18,30	266	534	500/1000
382101100	10 x 3 x 1	22,00	331	687	500/1000
382101120	12 x 3 x 1	22,80	396	794	500/1000
382101160	16 x 3 x 1	25,50	526	1005	500/1000
382101200	20 x 3 x 1	28,50	658	1270	500/1000
382101240	24 x 3 x 1	32,00	788	1466	500/1000
382113020	2 x 3 x 1,3	12,70	86	205	500/1000
382113040	4 x 3 x 1,3	15,10	168	343	500/1000
382113060	6 x 3 x 1,3	18,30	249	518	500/1000
382113080	8 x 3 x 1,3	20,10	331	644	500/1000
382113100	10 x 3 x 1,3	24,00	414	811	500/1000
382113120	12 x 3 x 1,3	25,00	495	944	500/1000
382113160	16 x 3 x 1,3	28,00	658	1254	500/1000
382113200	20 x 3 x 1,3	31,20	823	1543	500/1000
382113240	24 x 3 x 1,3	35,00	986	1844	500/1000
382115020	2 x 3 x 1,5	13,20	98	224	500/1000
382115040	4 x 3 x 1,5	15,50	191	376	500/1000
382115060	6 x 3 x 1,5	19,00	284	568	500/1000
382115080	8 x 3 x 1,5	20,80	377	710	500/1000
382115100	10 x 3 x 1,5	24,80	471	898	500/1000
382115120	12 x 3 x 1,5	25,70	564	1052	500/1000
382115160	16 x 3 x 1,5	28,80	750	1384	500/1000
382115200	20 x 3 x 1,5	32,20	937	1700	500/1000
382115240	24 x 3 x 1,5	36,40	1123	2050	500/1000

RE-2G(St)HSWAH..CI (MULTICORE)

CU/SI/OSCR/LSZH/ SWA/LSZH..CI

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

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 LSZH COMPOUND
8 - Armour	GALVANIZED ROUND STEEL WIRES
9 - Sheath	EN 50290-2-27 LSZH COMPOUND
10 - Sheath Colour	RAL 5015* BLUE; RAL 9005* BLACK; RAL 2003* ORANGE OR RAL 3000* RED

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
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility
CI*: Fire Resistant
Ral 5015 blue sheath*: At ex-proof connections in explosive and in flammable environments, intrinsically safe
Ral 9005 black sheath*: Places where UV resistance is required
Ral 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)		INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)		TEMPERATURE RANGE	FLAME PROPAGATION
mm²	Ω/km	MΩxKm	mm²	pF/m		
0,50	36		0,50	150		IEC 60332-3-24
0,75	24,5		0,75	150	- 30°C-+90°C	VDE 0482-332-3-24
1,0	18,1	300	1,0	150	(FIXED LAYING)	EN 60332-3-24
1,5	12,1		1,5	150		BS EN 60332-3-24
2,5	7,41		2,5	150		

L/R(RATIO) (MAX)		CURRENT LOAD(25°C)		OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm²	µH/Ω	mm²	A			
0,50	25	0,50	6,0		Cr./Cr.=2000 V	
0,75	25	0,75	13	300/500 V.	Cr./Scrn.=2000 V	10 X Cable Ø
1,0	25	1,0	16			
1,5	40	1,5	20			
2,5	60	2,5	25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
EN 61034-2	EN 50267-2-3	EN 50267-2-1	
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1	

DESIGN STANDARDS

PAS 5308-1
EN 50288-7

RE-2G(St)HSWAH..CI (MULTICORE)

CU/SI/OSCR/LSZH/ SWA/LSZH..CI

CODE NR.	NUMBER OF CORE CROSS SECTION (mm²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
382250020	2 x 0,50	14	5,80	10,40	205	500/1000
382250030	3 x 0,50	18	6,00	10,60	217	500/1000
382250040	4 x 0,50	23	6,50	11,10	234	500/1000
382250050	5 x 0,50	28	7,10	11,90	266	500/1000
382250060	6 x 0,50	32	7,60	12,40	291	500/1000
382250070	7 x 0,50	37	7,60	12,40	300	500/1000
382250100	10 x 0,50	51	9,40	14,20	367	500/1000
382250120	12 x 0,50	92	9,60	14,40	405	500/1000
382250190	19 x 0,50	115	11,20	16,20	500	500/1000
382250240	24 x 0,50	144	13,00	18,00	608	500/1000
382275020	2 x 0,75	19	6,20	10,80	218	500/1000
382275030	3 x 0,75	26	6,40	11,00	235	500/1000
382275040	4 x 0,75	33	6,80	11,40	254	500/1000
382275050	5 x 0,75	40	7,50	12,30	296	500/1000
382275060	6 x 0,75	47	8,10	12,90	324	500/1000
382275070	7 x 0,75	54	8,10	12,90	333	500/1000
382275100	10 x 0,75	75	10,10	14,90	420	500/1000
382275120	12 x 0,75	89	10,40	15,20	450	500/1000
382275190	19 x 0,75	138	12,10	17,10	580	500/1000
382275240	24 x 0,75	173	14,00	19,00	680	500/1000
382201020	2 x 1	23	6,60	11,40	238	500/1000
382201030	3 x 1	32	6,90	11,50	258	500/1000
382201040	4 x 1	41	7,40	12,20	389	500/1000
382201050	5 x 1	50	7,60	12,40	310	500/1000
382201060	6 x 1	60	8,70	13,50	359	500/1000
382201070	7 x 1	69	8,70	13,50	368	500/1000
382201100	10 x 1	97	10,90	15,90	480	500/1000
382201120	12 x 1	115	11,30	16,30	519	500/1000
382201190	19 x 1	180	13,20	18,20	660	500/1000
382201240	24 x 1	225	15,30	21,20	911	500/1000
382215020	2 x 1,5	33	7,20	12,00	271	500/1000
382215030	3 x 1,5	47	7,60	12,40	298	500/1000
382215040	4 x 1,5	61	8,20	13,00	334	500/1000
382215050	5 x 1,5	76	9,00	13,80	380	500/1000
382215060	6 x 1,5	90	9,70	14,50	424	500/1000
382215070	7 x 1,5	104	9,70	14,50	438	500/1000
382215100	10 x 1,5	147	12,20	17,20	570	500/1000
382215120	12 x 1,5	175	12,60	17,60	621	500/1000
382215190	19 x 1,5	274	14,70	19,90	820	500/1000
382215240	24 x 1,5	345	17,20	23,30	1119	500/1000
382225020	2 x 2,5	49	8,50	13,30	326	500/1000
382225030	3 x 2,5	71	8,80	13,60	371	500/1000
382225040	4 x 2,5	93	9,60	14,40	417	500/1000
382225050	5 x 2,5	115	10,60	15,60	488	500/1000
382225060	6 x 2,5	137	11,50	16,50	548	500/1000
382225070	7 x 2,5	159	11,50	16,50	568	500/1000
382225100	10 x 2,5	225	14,60	19,80	758	500/1000
382225120	12 x 2,5	267	15,00	20,20	825	500/1000
382225190	19 x 2,5	423	17,70	23,80	1305	500/1000
382225240	24 x 2,5	533	20,70	27,00	1514	500/1000