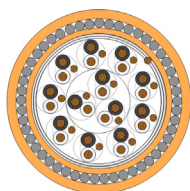
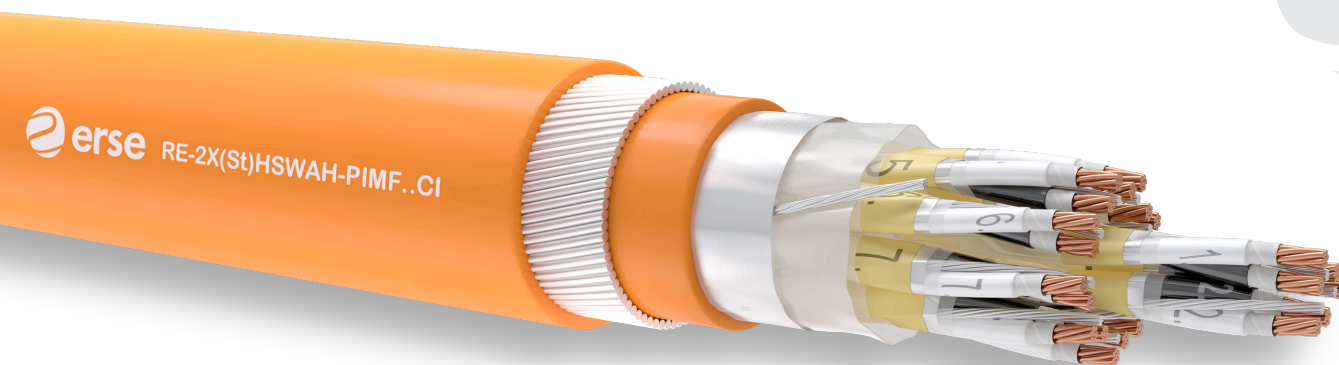


RE-2X(St)HSAH-PIMF..CI

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	VDE0482-332-3-24
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./Scrm.=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