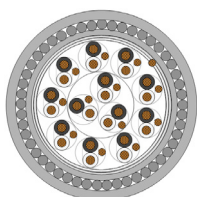
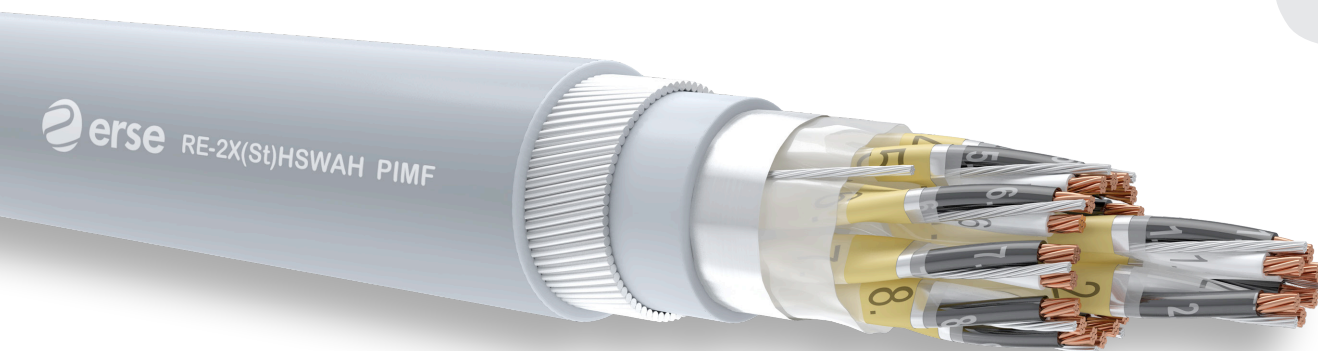


# RE-2X(St)HSAH-PIMF

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
- 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
- Ral 7001 grey sheath\***: Inside of buildings

## TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm <sup>2</sup> Ω/km	MΩxKm	mm <sup>2</sup> 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 <sup>2</sup> μH/Ω	mm <sup>2</sup> 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
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 (mm <sup>2</sup> )	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