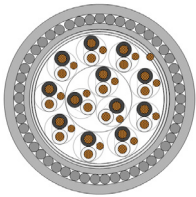
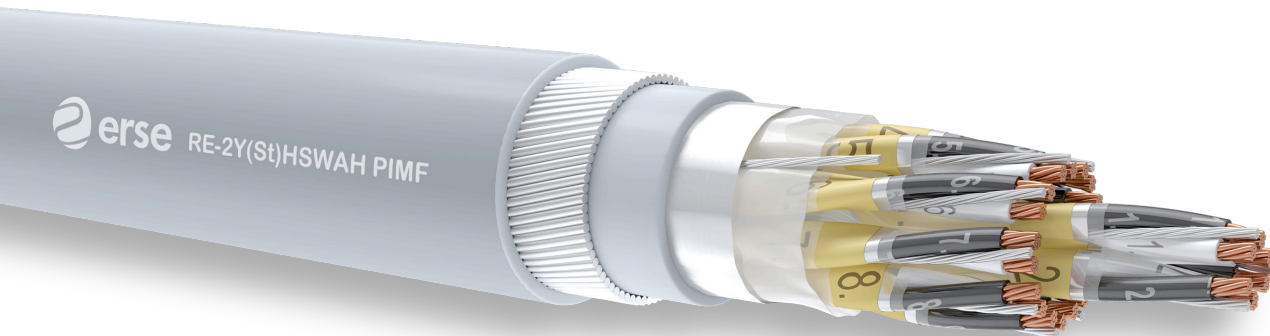


# RE-2Y(St)HSWAH-PIMF

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
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-+70°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	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 <sup>2</sup> )	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