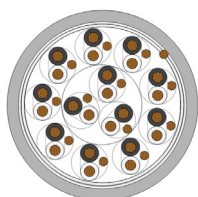


# RE-2Y(St)H-PIMF

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

## 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

## 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	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

## DESIGN STANDARDS

PAS 5308-1  
 EN 50288-7

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CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	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