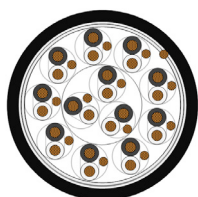
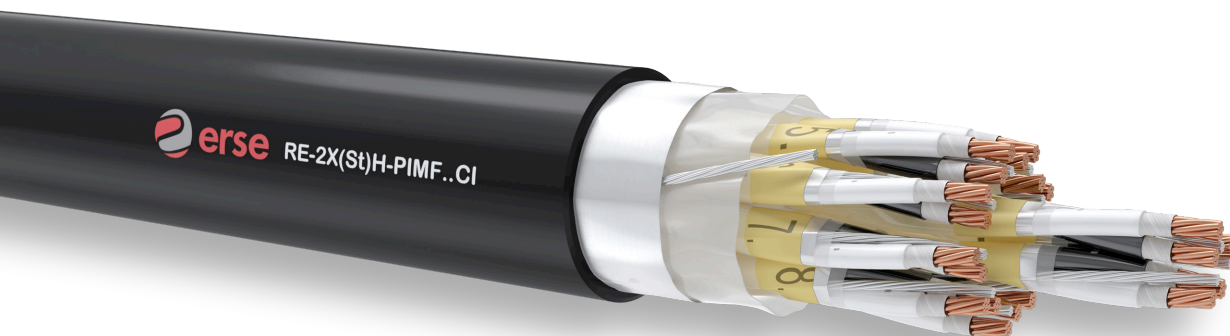


RE-2X(St)H-PIMF..CI

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	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	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 (mm ²)	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