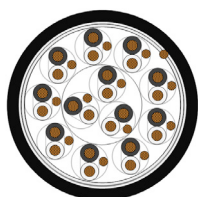
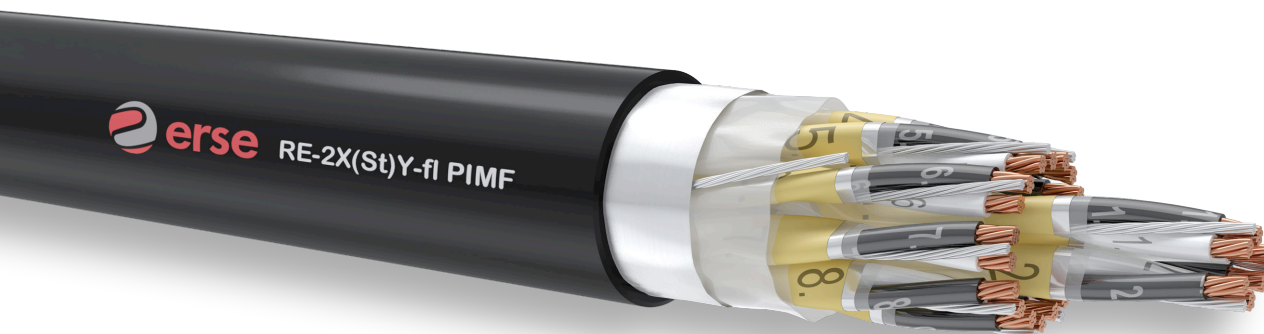


# RE-2X(St)Y-fl PIMF

CU/XLPE/PSCR/OSCR/PVC



VERY GOOD EMC\* CHARACTERISTICS / SMALL BENDING RADIUS  
FLAME RETARDANT AND HYDROCARBON RESISTANT



## 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 AND WHITE;  
EACH PAIR NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED COPPER DRAIN WIRE;  
AL-PES TAPE
- 5 - Stranding** SCREENED PAIRS IN LAYERS
- 6 - Wrapping** PES TAPE
- 7 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 8 - Sheath** EN 50290-2-22 PVC COMPOUND
- 9 - Sheath Colour** RAL 5015\* BLUE; RAL 9005\* BLACK  
OR RAL 7032\* GREY

## APPLICATION

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  
**Yv\***: Reinforced sheath version available on request  
**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 7032 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	7,5 X Cable Ø
1,0 25	1,0 16			
1,3 40	1,3 18			
1,5 40	1,5 20			

## DESIGN STANDARDS

PAS 5308-1  
EN 50288-7

**RE-2X(St)Y-fl PIMF****CU/XLPE/PSCR/OSCR/PVC**

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)
378250020	2 x 2 x 0,50	9,10	32	88	500/1000
378250040	4 x 2 x 0,50	10,60	60	127	500/1000
378250060	6 x 2 x 0,50	13,00	88	215	500/1000
378250080	8 x 2 x 0,50	14,10	115	266	500/1000
378250100	10 x 2 x 0,50	16,80	143	321	500/1000
378250120	12 x 2 x 0,50	17,20	170	363	500/1000
378250160	16 x 2 x 0,50	19,30	225	471	500/1000
378250200	20 x 2 x 0,50	21,40	280	568	500/1000
378250240	24 x 2 x 0,50	24,00	336	675	500/1000
378275020	2 x 2 x 0,75	9,80	42	107	500/1000
378275040	4 x 2 x 0,75	11,60	79	175	500/1000
378275060	6 x 2 x 0,75	14,10	116	261	500/1000
378275080	8 x 2 x 0,75	15,20	154	304	500/1000
378275100	10 x 2 x 0,75	18,10	191	380	500/1000
378275120	12 x 2 x 0,75	18,70	228	435	500/1000
378275160	16 x 2 x 0,75	21,10	302	470	500/1000
378275200	20 x 2 x 0,75	23,50	377	691	500/1000
378275240	24 x 2 x 0,75	26,30	451	825	500/1000
378201020	2 x 2 x 1	10,50	51	135	500/1000
378201040	4 x 2 x 1	12,50	98	205	500/1000
378201060	6 x 2 x 1	15,20	145	306	500/1000
378201080	8 x 2 x 1	16,70	192	367	500/1000
378201100	10 x 2 x 1	19,70	239	460	500/1000
378201120	12 x 2 x 1	20,40	285	527	500/1000
378201160	16 x 2 x 1	22,80	379	688	500/1000
378201200	20 x 2 x 1	25,60	473	836	500/1000
378201240	24 x 2 x 1	28,70	566	997	500/1000
378213020	2 x 2 x 1,3	11,50	63	140	500/1000
378213040	4 x 2 x 1,3	13,30	120	234	500/1000
378213060	6 x 2 x 1,3	16,40	179	364	500/1000
378213080	8 x 2 x 1,3	17,80	237	425	500/1000
378213100	10 x 2 x 1,3	21,10	295	533	500/1000
378213120	12 x 2 x 1,3	22,00	353	627	500/1000
378213160	16 x 2 x 1,3	24,70	467	8114	500/1000
378213200	20 x 2 x 1,3	27,60	585	990	500/1000
378213240	24 x 2 x 1,3	31,00	700	1184	500/1000
378215010	2 x 2 x 1,5	11,80	70	160	500/1000
378215040	4 x 2 x 1,5	14,10	135	245	500/1000
378215060	6 x 2 x 1,5	16,90	200	391	500/1000
378215080	8 x 2 x 1,5	18,40	265	465	500/1000
378215100	10 x 2 x 1,5	22,00	331	590	500/1000
378215120	12 x 2 x 1,5	22,80	396	683	500/1000
378215160	16 x 2 x 1,5	25,60	526	896	500/1000
378215200	20 x 2 x 1,5	28,70	657	1086	500/1000
378215240	24 x 2 x 1,5	32,10	787	1299	500/1000