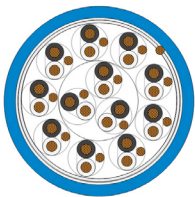
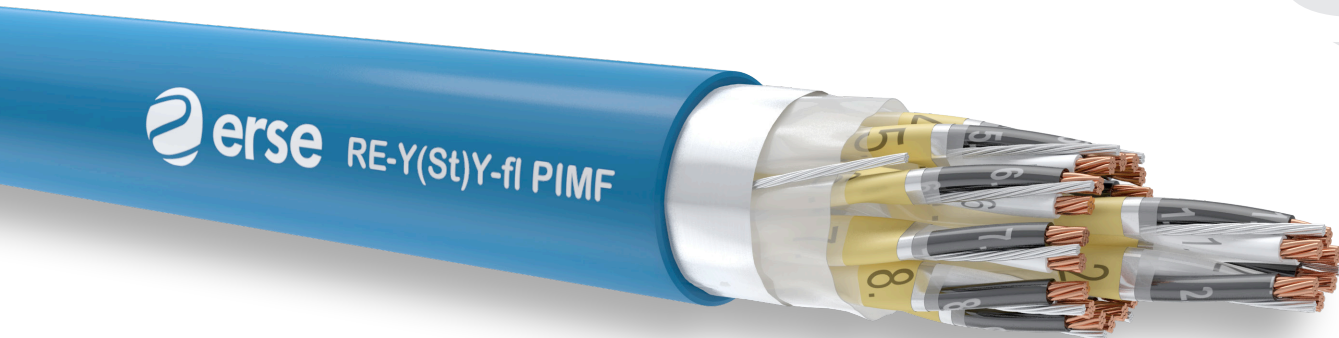


# RE-Y(St)Y-fl PIMF

CU/PVC/PSCR/OSCR/PVC



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



## CONSTRUCTION

- 1 - Conductor** IEC 60228 / DIN VDE 0295 / EN 60228
- 2 - Insulation** EN 50290-2-21 PVC COMPOUND
- 3 - Colour Code** BS 5308-2 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 - 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. Chemistry industry
3. Petrochemistry industry
4. Power plants
5. Indoors and outdoors, dry, damp and wet environments
6. Gas Stations
7. 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		0,50 160		IEC 60332-3-24
0,75 24,5		0,75 160	-30°C-+70°C	VDE 0482-332-3-24
1,0 18,1	100	1,0 160	(FIXED LAYING)	EN 60332-3-24
1,3 13,9		1,3 170		BS EN 60332-3-24
1,5 12,1		1,5 170		

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 5308-2  
EN 50288-7

**RE-Y(St)Y-fl PIMF**

CU/PVC/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)	STANDARD LENGTH (mt)
372250020	2 x 2 x 0,50	9,10	32	90	500/1000
372250040	4 x 2 x 0,50	10,60	60	130	500/1000
372250060	6 x 2 x 0,50	13,00	88	214	500/1000
372250080	8 x 2 x 0,50	14,10	115	259	500/1000
372250100	10 x 2 x 0,50	16,70	143	326	500/1000
372250120	12 x 2 x 0,50	17,20	170	373	500/1000
372250160	16 x 2 x 0,50	19,30	225	486	500/1000
372250200	20 x 2 x 0,50	21,40	280	586	500/1000
372250240	24 x 2 x 0,50	24,00	336	702	500/1000
372275020	2 x 2 x 0,75	9,80	42	110	500/1000
372275040	4 x 2 x 0,75	11,60	79	173	500/1000
372275060	6 x 2 x 0,75	14,10	116	263	500/1000
372275080	8 x 2 x 0,75	15,20	154	310	500/1000
372275100	10 x 2 x 0,75	18,10	191	390	500/1000
372275120	12 x 2 x 0,75	18,70	228	449	500/1000
372275160	16 x 2 x 0,75	21,10	302	590	500/1000
372275200	20 x 2 x 0,75	23,50	377	721	500/1000
372275240	24 x 2 x 0,75	26,30	451	863	500/1000
372201020	2 x 2 x 1	10,50	51	125	500/1000
372201040	4 x 2 x 1	12,50	98	203	500/1000
372201060	6 x 2 x 1	15,20	145	307	500/1000
372201080	8 x 2 x 1	16,70	192	395	500/1000
372201100	10 x 2 x 1	19,70	239	469	500/1000
372201120	12 x 2 x 1	20,40	285	542	500/1000
372201160	16 x 2 x 1	22,80	379	711	500/1000
372201200	20 x 2 x 1	25,60	473	870	500/1000
372201240	24 x 2 x 1	28,70	566	1041	500/1000
372213020	2 x 2 x 1,3	11,50	63	153	500/1000
372213040	4 x 2 x 1,3	13,30	120	234	500/1000
372213060	6 x 2 x 1,3	16,40	179	366	500/1000
372213080	8 x 2 x 1,3	17,80	237	435	500/1000
372213100	10 x 2 x 1,3	21,10	295	546	500/1000
372213120	12 x 2 x 1,3	22,00	353	642	500/1000
372213160	16 x 2 x 1,3	24,70	467	844	500/1000
372213200	20 x 2 x 1,3	27,60	585	1030	500/1000
372213240	24 x 2 x 1,3	31,00	700	1233	500/1000
372215020	2 x 2 x 1,5	11,80	70	165	500/1000
372215040	4 x 2 x 1,5	14,10	135	262	500/1000
372215060	6 x 2 x 1,5	16,90	200	396	500/1000
372215080	8 x 2 x 1,5	18,40	265	476	500/1000
372215100	10 x 2 x 1,5	22,00	331	608	500/1000
372215120	12 x 2 x 1,5	22,80	396	704	500/1000
372215160	16 x 2 x 1,5	25,60	526	925	500/1000
372215200	20 x 2 x 1,5	28,70	657	1132	500/1000
372215240	24 x 2 x 1,5	32,10	787	1355	500/1000