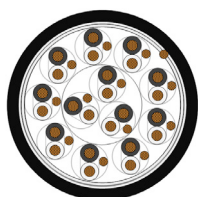
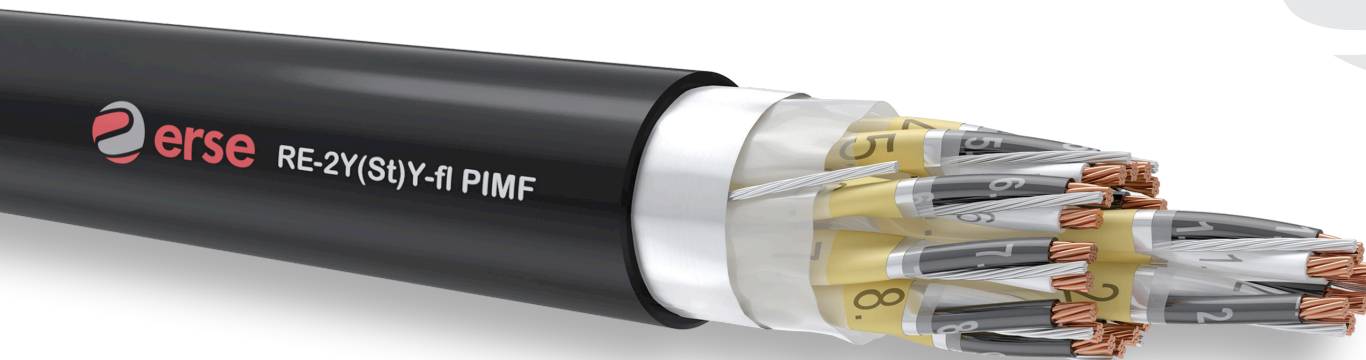


RE-2Y(St)Y-fl PIMF

CU/PE/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 50290-2-23 PE COMPOUND
- 3 - Colour Code** BS 5308-1 OR BLACK-WHITE;
EACH PAIR NUMBERED
- 4 - Stranding** PAIRWISE, SCREENED PAIRS IN LAYERS
- 5 - Wrapping** PES TAPE
- 6 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 7 - Sheath** EN 50290-2-22 PVC COMPOUND
- 8 - 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 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-+70°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 100	(FIXED LAYING)	EN 60332-3-24
1,3 13,9		1,30 100		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	7,5X 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-2Y(St)Y-fl PIMF

CU/PE/PSCR/OSCR/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376450020	2 x 2 x 0,50	9,10	32	88	500/1000
376450040	4 x 2 x 0,50	10,60	60	135	500/1000
376450060	6 x 2 x 0,50	13,00	88	205	500/1000
376450080	8 x 2 x 0,50	14,10	115	245	500/1000
376450100	10 x 2 x 0,50	16,70	143	308	500/1000
376450120	12 x 2 x 0,50	17,20	170	352	500/1000
376450160	16 x 2 x 0,50	19,30	225	461	500/1000
376450200	20 x 2 x 0,50	21,40	280	551	500/1000
376450240	24 x 2 x 0,50	24,00	336	660	500/1000
376475020	2 x 2 x 0,75	9,80	42	107	500/1000
376475040	4 x 2 x 0,75	11,60	79	165	500/1000
376475060	6 x 2 x 0,75	14,10	116	255	500/1000
376475080	8 x 2 x 0,75	15,20	154	290	500/1000
376475100	10 x 2 x 0,75	18,10	191	370	500/1000
376475120	12 x 2 x 0,75	18,70	228	425	500/1000
376475160	16 x 2 x 0,75	21,10	302	555	500/1000
376475200	20 x 2 x 0,75	23,50	377	680	500/1000
376475240	24 x 2 x 0,75	26,30	451	810	500/1000
376401020	2 x 2 x 1	10,50	51	122	500/1000
376401040	4 x 2 x 1	12,50	98	194	500/1000
376401060	6 x 2 x 1	15,20	145	294	500/1000
376401080	8 x 2 x 1	16,70	192	357	500/1000
376401100	10 x 2 x 1	19,70	239	448	500/1000
376401120	12 x 2 x 1	20,40	285	516	500/1000
376401160	16 x 2 x 1	22,80	379	676	500/1000
376401200	20 x 2 x 1	25,60	473	826	500/1000
376401240	24 x 2 x 1	28,70	566	988	500/1000
376413020	2 x 2 x 1,3	11,50	63	148	500/1000
376413040	4 x 2 x 1,3	13,30	120	224	500/1000
376413060	6 x 2 x 1,3	16,40	179	350	500/1000
376413080	8 x 2 x 1,3	17,80	237	415	500/1000
376413100	10 x 2 x 1,3	21,10	295	521	500/1000
376413120	12 x 2 x 1,3	22,00	353	612	500/1000
376413160	16 x 2 x 1,3	24,70	467	803	500/1000
376413200	20 x 2 x 1,3	27,60	585	980	500/1000
376413240	24 x 2 x 1,3	31,00	700	1173	500/1000
376415020	2 x 2 x 1,5	11,80	70	161	500/1000
376415040	4 x 2 x 1,5	14,10	135	250	500/1000
376415060	6 x 2 x 1,5	16,90	200	379	500/1000
376415080	8 x 2 x 1,5	18,40	265	454	500/1000
376415100	10 x 2 x 1,5	22,00	331	580	500/1000
376415120	12 x 2 x 1,5	22,80	396	675	500/1000
376415160	16 x 2 x 1,5	25,60	526	880	500/1000
376415200	20 x 2 x 1,5	28,70	657	1076	500/1000
376415240	24 x 2 x 1,5	32,10	787	1290	500/1000