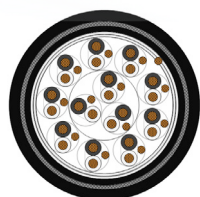
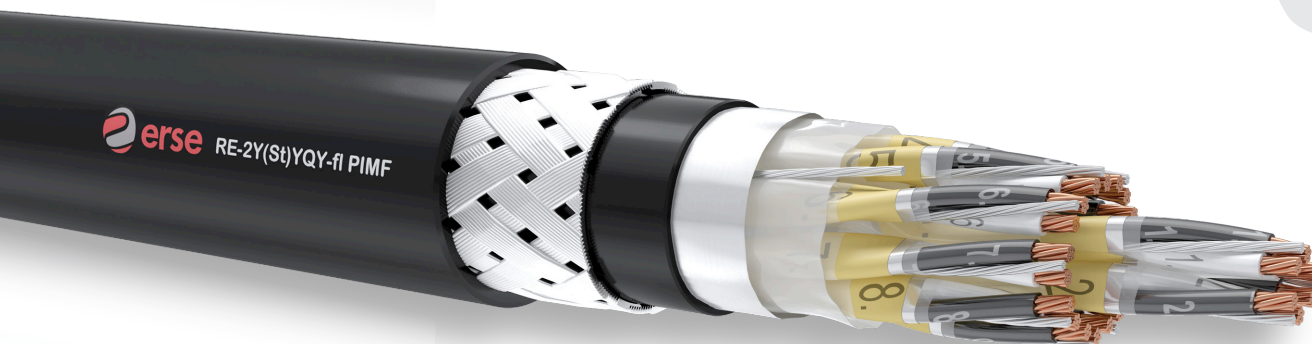


# RE-2Y(St)YQY-fl PIMF

CU/PE/PSCR/OSCR/PVC/ GSWB/PVC



VERY GOOD EMC\* CHARACTERISTICS / SMALL BENDING RADIUS  
FLEXIBLE / 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 - 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 - Inner Sheath** EN 50290-2-22 PVC COMPOUND
- 9 - Armour** GALVANIZED STEEL WIRE BRAIDING
- 10 - Sheath** EN 50290-2-22 PVC COMPOUND
- 11 - Sheath Colour** RAL 5015\* BLUE; RAL 9005\* BLACK

## 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

**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

## 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	8X 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)YQY-fi PIMF**

CU/PE/PSCR/OSCR/PVC/ GSWB/PVC

CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
376050020	2 x 2 x 0,50	32	9,10	13,30	213	500/1000
376050040	4 x 2 x 0,50	60	10,60	15,00	296	500/1000
376050060	6 x 2 x 0,50	88	12,60	17,00	377	500/1000
376050080	8 x 2 x 0,50	115	13,70	18,00	441	500/1000
376050100	10 x 2 x 0,50	143	16,10	20,70	570	500/1000
376050120	12 x 2 x 0,50	170	16,60	21,20	680	500/1000
376050160	16 x 2 x 0,50	225	18,50	23,30	800	500/1000
376050200	20 x 2 x 0,50	280	20,60	25,60	913	500/1000
376050240	24 x 2 x 0,50	336	23,00	28,20	1064	500/1000
376075020	2 x 2 x 0,75	42	10,40	13,80	244	500/1000
376075040	4 x 2 x 0,75	79	12,50	15,80	346	500/1000
376075060	6 x 2 x 0,75	116	13,70	18,00	446	500/1000
376075080	8 x 2 x 0,75	154	14,80	19,40	514	500/1000
376075100	10 x 2 x 0,75	191	17,50	22,30	644	500/1000
376075120	12 x 2 x 0,75	228	18,10	23,00	713	500/1000
376075160	16 x 2 x 0,75	302	20,30	25,00	891	500/1000
376075200	20 x 2 x 0,75	377	22,50	27,50	1060	500/1000
376075240	24 x 2 x 0,75	451	25,10	30,30	1251	500/1000
376001020	2 x 2 x 1	51	10,50	14,90	286	500/1000
376001040	4 x 2 x 1	98	13,50	16,70	380	500/1000
376001060	6 x 2 x 1	145	14,80	19,40	505	500/1000
376001080	8 x 2 x 1	192	16,10	20,00	630	500/1000
376001100	10 x 2 x 1	239	18,90	23,70	769	500/1000
376001120	12 x 2 x 1	285	19,60	22,40	854	500/1000
376001160	16 x 2 x 1	379	21,80	26,80	1049	500/1000
376001200	20 x 2 x 1	473	24,40	29,60	1199	500/1000
376001240	24 x 2 x 1	566	27,30	32,70	1474	500/1000
376013020	2 x 2 x 1,3	63	11,30	15,70	316	500/1000
376013040	4 x 2 x 1,3	120	14,00	17,50	420	500/1000
376013060	6 x 2 x 1,3	179	14,50	19,70	613	500/1000
376013080	8 x 2 x 1,3	237	17,20	22,00	722	500/1000
376013100	10 x 2 x 1,3	295	20,30	25,00	880	500/1000
376013120	12 x 2 x 1,3	353	21,00	26,00	987	500/1000
376013160	16 x 2 x 1,3	467	23,50	28,50	1201	500/1000
376013200	20 x 2 x 1,3	585	26,20	31,40	1483	500/1000
376013240	24 x 2 x 1,3	700	29,80	35,20	1776	500/1000
376015020	2 x 2 x 1,5	70	11,60	16,00	330	500/1000
376015040	4 x 2 x 1,5	135	14,50	18,00	451	500/1000
376015060	6 x 2 x 1,5	200	16,30	20,90	650	500/1000
376015080	8 x 2 x 1,5	265	17,80	22,60	762	500/1000
376015100	10 x 2 x 1,5	331	21,00	26,00	933	500/1000
376015120	12 x 2 x 1,5	396	21,80	26,80	1053	500/1000
376015160	16 x 2 x 1,5	526	24,40	29,60	1314	500/1000
376015200	20 x 2 x 1,5	657	27,30	32,70	1597	500/1000
376015240	24 x 2 x 1,5	787	30,90	36,50	1944	500/1000