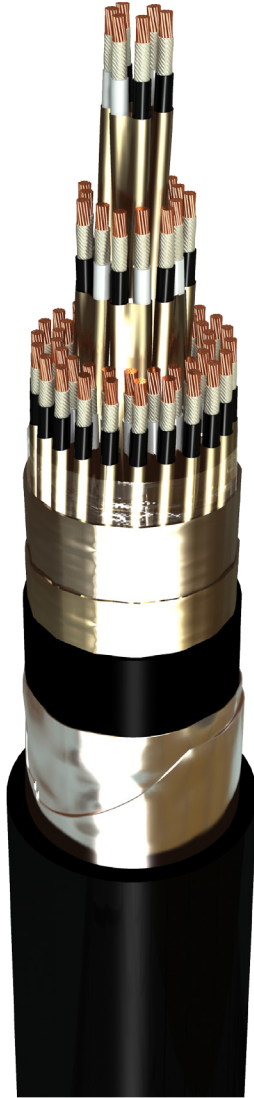


# RE-2X(St)YBY , PiMF



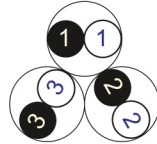
**Fire Resistant**

**EN 50288-7 (500 V)**

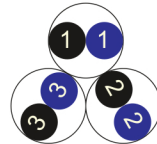


**Conductor** Stranded (class 2) Plain annealed copper wires

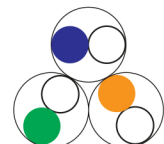
Color Coding (Options) :



Black,White (Numbered)



Black,Blue (Numbered)



IEC 60708 Full color

**Insulation** Mica-glass Tape + XLPE

**Cable Unit** Pair (Multi-Pair Cable)

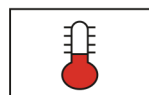
**Individual Element Screen** Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape

**Collective (Overall) Screen** Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape

**Inner Covering (Bedding)** Extruded PVC

**Armour** Galvanized Steel Tapes

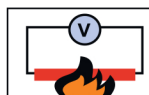
**Outer Sheath** Extruded PVC



+90 °C



IEC 60332-1



IEC 60331



10x O.D



Screened



Armoured

Criteria	Standard Values						Unit
	Nominal	0.5	0.75	1	1.5	2.5	
Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm <sup>2</sup>
Conductor DC Resistance @ 20°C	max.	36.7	25.0	18.5	12.3	7.4	Ohm/kM
Insulation resistance	min.	1000					MOhm x km
Mutual capacitance	max.	150					nF/km
Capacitance unbalance	max.	500					pF/500m
L/R (ratio)	max.	25	25	25	40	60	microH/ Ohm
Test voltage :							
core to core	for 1 minute	2.0 kV A.C or 3.0 kV D.C					K.V
core to screen							
Operating voltage U(rms)		500					V

Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
<b>Conductor : 0.5 mm<sup>2</sup> (7x0.30 mm)</b>							
1x2x0.5	0.6	0.2	7.8	1.3	11.2	180	1000
2x2x0.5	0.6	0.2	12.1	1.4	15.7	288	1000
3x2x0.5	0.6	0.2	12.9	1.4	16.5	329	1000
4x2x0.5	0.6	0.2	14.2	1.4	17.8	380	1000
5x2x0.5	0.6	0.2	15.5	1.5	19.3	439	1000
6x2x0.5	0.6	0.2	17.0	1.5	20.8	493	1000
7x2x0.5	0.6	0.2	17.0	1.5	20.8	521	1000
10x2x0.5	0.6	0.2	21.9	1.6	25.9	702	500
12x2x0.5	0.6	0.2	22.7	1.6	26.7	772	500
16x2x0.5	0.6	0.2	25.4	1.7	29.6	943	500
20x2x0.5	0.6	0.2	28.4	1.7	32.6	1112	500
24x2x0.5	0.6	0.2	31.7	1.8	36.1	1297	500
30x2x0.5	0.6	0.2	33.7	1.8	38.1	1503	500
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>							
1x2x0.75	0.6	0.2	8.2	1.3	11.6	194	1000
2x2x0.75	0.6	0.2	12.8	1.4	16.4	314	1000
3x2x0.75	0.6	0.2	13.7	1.4	17.3	364	1000
4x2x0.75	0.6	0.2	15.1	1.5	18.9	429	1000
5x2x0.75	0.6	0.2	16.5	1.5	20.3	490	1000
6x2x0.75	0.6	0.2	18.1	1.5	21.9	553	1000
7x2x0.75	0.6	0.2	18.1	1.5	21.9	587	1000
10x2x0.75	0.6	0.2	23.4	1.6	27.4	794	500
12x2x0.75	0.6	0.2	24.3	1.7	28.5	889	500
16x2x0.75	0.6	0.2	27.1	1.7	31.3	1079	500
20x2x0.75	0.6	0.2	30.4	1.8	34.8	1291	500
24x2x0.75	0.6	0.2	34.0	1.9	38.6	1509	500
30x2x0.75	0.6	0.2	36.5	1.9	41.1	1797	500

## RE-2X(St)YBY , PiMF



Fire Resistant

EN 50288-7 (500 V)

Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm <sup>2</sup> (7x0.43 mm)							
1x2x1	0.6	0.2	8.6	1.3	12.0	206	1000
2x2x1	0.6	0.2	13.5	1.4	17.1	337	1000
3x2x1	0.6	0.2	14.4	1.4	18.0	393	1000
4x2x1	0.6	0.2	15.8	1.5	19.6	467	1000
5x2x1	0.6	0.2	17.4	1.5	21.2	535	1000
6x2x1	0.6	0.2	19.1	1.5	22.9	606	1000
7x2x1	0.6	0.2	19.1	1.5	22.9	646	1000
10x2x1	0.6	0.2	24.7	1.7	28.9	889	500
12x2x1	0.6	0.2	25.6	1.7	29.8	986	500
16x2x1	0.6	0.2	28.6	1.7	32.8	1204	500
20x2x1	0.6	0.2	32.1	1.8	36.5	1445	500
24x2x1	0.6	0.2	36.3	1.9	40.9	1732	500
30x2x1	0.6	0.2	38.6	1.9	43.2	2022	500
Conductor : 1.5 mm <sup>2</sup> (7x0.53 mm)							
1x2x1.5	0.6	0.2	9.2	1.3	12.6	230	1000
2x2x1.5	0.6	0.2	14.6	1.5	18.4	389	1000
3x2x1.5	0.6	0.2	15.5	1.5	19.3	459	1000
4x2x1.5	0.6	0.2	17.1	1.5	20.9	540	1000
5x2x1.5	0.6	0.2	18.9	1.5	22.7	623	1000
6x2x1.5	0.6	0.2	20.7	1.6	24.7	718	500
7x2x1.5	0.6	0.2	20.7	1.6	24.7	771	500
10x2x1.5	0.6	0.2	26.8	1.7	31.0	1052	500
12x2x1.5	0.6	0.2	27.8	1.7	32.0	1176	500
16x2x1.5	0.6	0.2	31.1	1.8	35.5	1461	500
20x2x1.5	0.6	0.2	35.4	1.9	40.0	1798	500
24x2x1.5	0.6	0.5	39.5	2.0	45.5	2581	500
30x2x1.5	0.6	0.5	42.0	2.1	48.2	2995	500

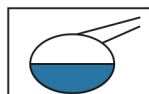
Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)							
1x2x2.5	0.7	0.2	10.4	1.4	14.0	281	1000
2x2x2.5	0.7	0.2	16.8	1.5	20.6	477	1000
3x2x2.5	0.7	0.2	17.9	1.5	21.7	573	1000
4x2x2.5	0.7	0.2	19.8	1.6	23.8	692	1000
5x2x2.5	0.7	0.2	21.8	1.6	25.8	805	500
6x2x2.5	0.7	0.2	24.0	1.7	28.2	931	500
7x2x2.5	0.7	0.2	24.0	1.7	28.2	1006	500
10x2x2.5	0.7	0.2	31.2	1.8	35.6	1382	500
12x2x2.5	0.7	0.2	32.4	1.9	37.0	1570	500
16x2x2.5	0.7	0.2	36.7	2.0	41.5	2003	500
20x2x2.5	0.7	0.5	41.3	2.1	47.5	2912	500
24x2x2.5	0.7	0.5	46.1	2.2	52.5	3391	250
30x2x2.5	0.7	0.5	49.5	2.3	56.1	4019	250

### Additional Options (by request)

A) Based on "PVC" Sheath



Reduced smoke PVC  
Tested acc to ASTM E662 &  
Improved Flame Retardant  
acc to IEC 60332-3



Oil & Chemical  
Resistant PVC Sheath  
Acc to ICEA S-82-552  
(Equal to NEMA WC55)



UV Resistant PVC Sheath  
Acc to UL 1581-1200

B) Based on "Halogen Free" Construction Cable Type : RE-2X(St)HBH



Low Halogen Acid & Gas  
acc to IEC 60754-1&2  
IEC 60502 ST8



Low smoke  
Acc to IEC 61034