

RE-2X(St)YKYRY , PiMF



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	Extruded PVC
Metal Sheath	Lead Sheath (Cover)
Inner Covering (Bedding)	Extruded PVC
Armour	Galvanized Steel Wires
Outer Sheath	Extruded PVC



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 ²
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	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 0.5 mm² (7x0.30 mm)									
1x2x0.5	0.6	0.9	9.6	0.9	9.8	1.4	14.4	593	1000
2x2x0.5	0.6	1.0	14.1	0.9	14.1	1.5	18.9	898	1000
3x2x0.5	0.6	1.0	14.9	0.9	14.9	1.5	19.7	972	1000
4x2x0.5	0.6	1.0	16.2	0.9	16.2	1.5	21.0	1071	1000
5x2x0.5	0.6	1.1	17.7	0.9	17.5	1.5	22.3	1223	1000
6x2x0.5	0.6	1.1	19.2	1.25	19.0	1.6	24.7	1498	1000
7x2x0.5	0.6	1.1	19.2	1.25	19.0	1.6	24.7	1526	1000
10x2x0.5	0.6	1.2	24.3	1.25	23.9	1.7	29.8	2005	500
12x2x0.5	0.6	1.2	25.1	1.25	24.7	1.7	30.6	2116	500
16x2x0.5	0.6	1.3	28.0	1.25	27.4	1.8	33.5	2506	500
20x2x0.5	0.6	1.4	31.2	1.6	30.4	1.9	37.4	3161	500
24x2x0.5	0.6	1.4	34.5	1.6	33.7	1.9	40.7	3539	500
30x2x0.5	0.6	1.5	36.7	1.6	36.1	2.0	43.3	4043	500
Conductor : 0.75 mm² (7x0.37 mm)									
1x2x0.75	0.6	0.9	10.0	0.9	10.2	1.4	14.8	624	1000
2x2x0.75	0.6	1.0	14.8	0.9	14.8	1.5	19.6	963	1000
3x2x0.75	0.6	1.0	15.7	0.9	15.7	1.5	20.5	1041	1000
4x2x0.75	0.6	1.1	17.3	0.9	17.1	1.5	21.9	1205	1000
5x2x0.75	0.6	1.1	18.7	1.25	18.5	1.6	24.2	1483	1000
6x2x0.75	0.6	1.1	20.3	1.25	20.1	1.6	25.8	1615	1000
7x2x0.75	0.6	1.1	20.3	1.25	20.1	1.6	25.8	1650	1000
10x2x0.75	0.6	1.3	26.0	1.25	25.4	1.7	31.3	2265	500
12x2x0.75	0.6	1.3	26.9	1.25	26.3	1.8	32.4	2407	500
16x2x0.75	0.6	1.3	29.7	1.25	29.1	1.8	35.2	2754	500
20x2x0.75	0.6	1.4	33.2	1.6	32.4	1.9	39.4	3481	500
24x2x0.75	0.6	1.5	37.0	1.6	36.4	2.0	43.6	4071	500
30x2x0.75	0.6	1.5	39.5	2	38.9	2.1	47.1	4869	500

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Fire Resistant

EN 50288-7 (500 V)

Nominal cross section area of conductor	Insulation thickness	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm² (7x0.43 mm)									
1x2x1	0.6	0.9	10.4	0.9	10.6	1.4	15.2	651	1000
2x2x1	0.6	1.0	15.5	0.9	15.5	1.5	20.3	1005	1000
3x2x1	0.6	1.0	16.4	0.9	16.4	1.5	21.2	1097	1000
4x2x1	0.6	1.1	18.0	0.9	17.8	1.6	22.8	1275	1000
5x2x1	0.6	1.1	19.6	1.25	19.4	1.6	25.1	1563	1000
6x2x1	0.6	1.1	21.3	1.25	21.1	1.6	26.8	1715	1000
7x2x1	0.6	1.1	21.3	1.25	21.1	1.6	26.8	1755	1000
10x2x1	0.6	1.3	27.3	1.25	26.7	1.8	32.8	2418	500
12x2x1	0.6	1.3	28.2	1.25	27.6	1.8	33.7	2562	500
16x2x1	0.6	1.4	31.4	1.6	30.6	1.9	37.6	3265	500
20x2x1	0.6	1.4	34.9	1.6	34.1	1.9	41.1	3723	500
24x2x1	0.6	1.5	39.3	2	38.7	2.1	46.9	4774	500
30x2x1	0.6	1.6	41.8	2	41.0	2.1	49.2	5335	500
Conductor : 1.5 mm² (7x0.53 mm)									
1x2x1.5	0.6	0.9	11.0	0.9	11.2	1.4	15.8	702	1000
2x2x1.5	0.6	1.1	16.8	0.9	16.6	1.5	21.4	1148	1000
3x2x1.5	0.6	1.1	17.7	0.9	17.5	1.6	22.5	1267	1000
4x2x1.5	0.6	1.1	19.3	1.25	19.1	1.6	24.8	1565	1000
5x2x1.5	0.6	1.2	21.3	1.25	20.9	1.6	26.6	1793	1000
6x2x1.5	0.6	1.2	23.1	1.25	22.7	1.7	28.6	1981	1000
7x2x1.5	0.6	1.2	23.1	1.25	22.7	1.7	28.6	2034	1000
10x2x1.5	0.6	1.3	29.4	1.25	28.8	1.8	34.9	2723	500
12x2x1.5	0.6	1.4	30.6	1.6	29.8	1.9	36.8	3225	500
16x2x1.5	0.6	1.4	33.9	1.6	33.1	1.9	40.1	3708	500
20x2x1.5	0.6	1.5	38.4	2	37.8	2.1	46.0	4824	500
24x2x1.5	0.6	1.6	42.7	2	41.9	2.1	50.1	5543	500
30x2x1.5	0.6	1.7	45.4	2	44.4	2.2	52.8	6232	500

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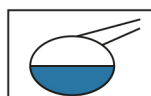
Nominal cross section area of conductor	Insulation thickness	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)									
1x2x2.5	0.7	1.0	12.4	0.9	12.4	1.5	17.2	845	1000
2x2x2.5	0.7	1.1	19.0	1.25	18.8	1.6	24.5	1499	1000
3x2x2.5	0.7	1.1	20.1	1.25	19.9	1.6	25.6	1656	1000
4x2x2.5	0.7	1.2	22.2	1.25	21.8	1.7	27.7	1931	1000
5x2x2.5	0.7	1.2	24.2	1.25	23.8	1.7	29.7	2154	500
6x2x2.5	0.7	1.3	26.6	1.25	26.0	1.8	32.1	2472	500
7x2x2.5	0.7	1.3	26.6	1.25	26.0	1.8	32.1	2548	500
10x2x2.5	0.7	1.5	34.2	1.6	33.6	2.0	40.8	3838	500
12x2x2.5	0.7	1.5	35.4	1.6	34.8	2.0	42.0	4089	500
16x2x2.5	0.7	1.6	39.9	2	39.1	2.1	47.3	5280	500
20x2x2.5	0.7	1.7	44.7	2	43.7	2.2	52.1	6165	500
24x2x2.5	0.7	1.8	49.7	2.5	48.9	2.4	58.7	7761	500
30x2x2.5	0.7	1.9	53.3	2.5	52.3	2.4	62.1	8799	500

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)HKHRH



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



Low smoke
Acc to IEC 61034