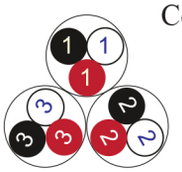
RE-2X(St)YBY

Fire Resistant

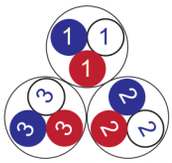
EN 50288-7 (500 V)

Conductor	Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :

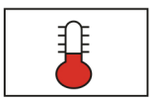


Black,White,Red (Numbered)



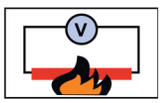
Blue,White,Red (Numbered)

Insulation	Mica-glass Tape + XLPE
Cable Unit	Triple (Multi-Triple Cable)
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
Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm²
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 / core to screen	for 1 minute	2.0 kV A.C or 3.0 kV D.C					K.V
Operating voltage U(rms)		500					V

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Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 0.5 mm^2 (7x0.30 mm)							
1x3x0.5	0.6	0.2	7.9	1.3	11.3	182	1000
2x3x0.5	0.6	0.2	11.9	1.4	15.5	286	1000
3x3x0.5	0.6	0.2	12.7	1.4	16.3	328	1000
4x3x0.5	0.6	0.2	14.0	1.4	17.6	378	1000
5x3x0.5	0.6	0.2	15.3	1.5	19.1	438	1000
6x3x0.5	0.6	0.2	16.7	1.5	20.5	492	1000
7x3x0.5	0.6	0.2	16.7	1.5	20.5	521	1000
10x3x0.5	0.6	0.2	21.6	1.6	25.6	702	500
12x3x0.5	0.6	0.2	22.3	1.6	26.3	773	500
16x3x0.5	0.6	0.2	24.9	1.7	29.1	946	500
20x3x0.5	0.6	0.2	28.0	1.7	32.2	1117	500
24x3x0.5	0.6	0.2	31.2	1.8	35.6	1304	500
30x3x0.5	0.6	0.2	33.2	1.8	37.6	1513	500
Conductor : 0.75 mm^2 (7x0.37 mm)							
1x3x0.75	0.6	0.2	8.3	1.3	11.7	199	1000
2x3x0.75	0.6	0.2	12.7	1.4	16.3	319	1000
3x3x0.75	0.6	0.2	13.5	1.4	17.1	371	1000
4x3x0.75	0.6	0.2	14.9	1.5	18.7	439	1000
5x3x0.75	0.6	0.2	16.4	1.5	20.2	503	1000
6x3x0.75	0.6	0.2	17.9	1.5	21.7	569	1000
7x3x0.75	0.6	0.2	17.9	1.5	21.7	607	1000
10x3x0.75	0.6	0.2	23.1	1.6	27.1	823	500
12x3x0.75	0.6	0.2	24.0	1.6	28.0	913	500
16x3x0.75	0.6	0.2	26.8	1.7	31.0	1127	500
20x3x0.75	0.6	0.2	30.1	1.8	34.5	1351	500
24x3x0.75	0.6	0.2	33.6	1.8	38.0	1568	500
30x3x0.75	0.6	0.2	36.1	1.9	40.7	1889	500

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mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm^2 (7x0.43 mm)							
1x3x1	0.6	0.2	8.7	1.3	12.1	214	1000
2x3x1	0.6	0.2	13.4	1.4	17.0	347	1000
3x3x1	0.6	0.2	14.3	1.4	17.9	409	1000
4x3x1	0.6	0.2	15.7	1.5	19.5	489	1000
5x3x1	0.6	0.2	17.3	1.5	21.1	563	1000
6x3x1	0.6	0.2	18.9	1.5	22.7	639	1000
7x3x1	0.6	0.2	18.9	1.5	22.7	686	1000
10x3x1	0.6	0.2	24.5	1.6	28.5	934	500
12x3x1	0.6	0.2	25.4	1.7	29.6	1055	500
16x3x1	0.6	0.2	28.4	1.7	32.6	1296	500
20x3x1	0.6	0.2	31.9	1.8	36.3	1561	500
24x3x1	0.6	0.2	35.6	1.9	40.2	1831	500
30x3x1	0.6	0.2	38.3	1.9	42.9	2196	500
Conductor : 1.5 mm^2 (7x0.53 mm)							
1x3x1.5	0.6	0.2	9.4	1.3	12.8	244	1000
2x3x1.5	0.6	0.2	14.5	1.5	18.3	410	1000
3x3x1.5	0.6	0.2	15.5	1.5	19.3	492	1000
4x3x1.5	0.6	0.2	17.1	1.5	20.9	584	1000
5x3x1.5	0.6	0.2	18.8	1.5	22.6	679	1000
6x3x1.5	0.6	0.2	20.6	1.6	24.6	785	500
7x3x1.5	0.6	0.2	20.6	1.6	24.6	849	500
10x3x1.5	0.6	0.2	26.7	1.7	30.9	1164	500
12x3x1.5	0.6	0.2	27.7	1.7	31.9	1310	500
16x3x1.5	0.6	0.2	31.0	1.8	35.4	1640	500
20x3x1.5	0.6	0.2	35.3	1.9	39.9	2022	500
24x3x1.5	0.6	0.5	39.3	2.0	45.3	2849	500
30x3x1.5	0.6	0.5	41.9	2.1	48.1	3330	500

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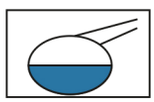
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm^2 (7x0.67 mm)							
1x3x2.5	0.7	0.2	10.7	1.4	14.3	307	1000
2x3x2.5	0.7	0.2	16.8	1.5	20.6	520	1000
3x3x2.5	0.7	0.2	18.0	1.5	21.8	638	1000
4x3x2.5	0.7	0.2	19.9	1.6	23.9	778	1000
5x3x2.5	0.7	0.2	21.9	1.6	25.9	912	500
6x3x2.5	0.7	0.2	24.1	1.7	28.3	1060	500
7x3x2.5	0.7	0.2	24.1	1.7	28.3	1157	500
10x3x2.5	0.7	0.2	31.4	1.8	35.8	1598	500
12x3x2.5	0.7	0.2	32.5	1.9	37.1	1827	500
16x3x2.5	0.7	0.2	36.8	2.0	41.6	2347	500
20x3x2.5	0.7	0.5	41.4	2.1	47.6	3343	500
24x3x2.5	0.7	0.5	46.3	2.2	52.7	3908	250
30x3x2.5	0.7	0.5	49.7	2.3	56.3	4665	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