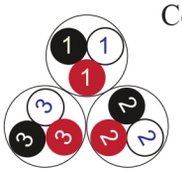
RE-2X(St)YRY

Fire Resistant

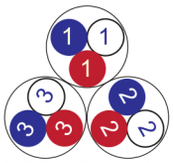
EN 50288-7 (500 V)

Conductor	Stranded (class 2) Plain annealed copper wires
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 Wires
Outer Sheath	Extruded PVC

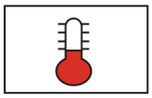
Color Coding (Options) :



Black,White,Red (Numbered)

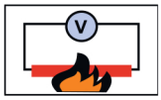


Blue,White,Red (Numbered)



+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 Wire Diameter	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	0.9	7.9	1.3	12.3	278	1000
2x3x0.5	0.6	0.9	11.9	1.4	16.5	420	1000
3x3x0.5	0.6	0.9	12.7	1.4	17.3	472	1000
4x3x0.5	0.6	0.9	14.0	1.5	18.8	542	1000
5x3x0.5	0.6	0.9	15.3	1.5	20.1	605	1000
6x3x0.5	0.6	1.25	16.7	1.5	22.2	801	1000
7x3x0.5	0.6	1.25	16.7	1.5	22.2	829	1000
10x3x0.5	0.6	1.25	21.6	1.6	27.3	1097	500
12x3x0.5	0.6	1.6	22.3	1.7	28.9	1362	500
16x3x0.5	0.6	1.6	24.9	1.7	31.5	1588	500
20x3x0.5	0.6	2	28.0	1.8	35.6	2084	500
24x3x0.5	0.6	2	31.2	1.9	39.0	2379	500
30x3x0.5	0.6	2	33.2	1.9	41.0	2652	500
Conductor : 0.75 mm^2 (7x0.37 mm)							
1x3x0.75	0.6	0.9	8.3	1.3	12.7	297	1000
2x3x0.75	0.6	0.9	12.7	1.4	17.3	463	1000
3x3x0.75	0.6	0.9	13.5	1.5	18.3	526	1000
4x3x0.75	0.6	0.9	14.9	1.5	19.7	604	1000
5x3x0.75	0.6	1.25	16.4	1.5	21.9	815	1000
6x3x0.75	0.6	1.25	17.9	1.6	23.6	908	1000
7x3x0.75	0.6	1.25	17.9	1.6	23.6	946	1000
10x3x0.75	0.6	1.6	23.1	1.7	29.7	1439	500
12x3x0.75	0.6	1.6	24.0	1.7	30.6	1540	500
16x3x0.75	0.6	1.6	26.8	1.8	33.6	1818	500
20x3x0.75	0.6	2	30.1	1.9	37.9	2383	500
24x3x0.75	0.6	2	33.6	1.9	41.4	2705	500
30x3x0.75	0.6	2.5	36.1	2.0	45.1	3534	500

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Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm^2 (7x0.43 mm)							
1x3x1	0.6	0.9	8.7	1.4	13.3	320	1000
2x3x1	0.6	0.9	13.4	1.4	18.0	497	1000
3x3x1	0.6	0.9	14.3	1.5	19.1	575	1000
4x3x1	0.6	1.25	15.7	1.5	21.2	785	1000
5x3x1	0.6	1.25	17.3	1.5	22.8	888	1000
6x3x1	0.6	1.25	18.9	1.6	24.6	1001	500
7x3x1	0.6	1.25	18.9	1.6	24.6	1048	500
10x3x1	0.6	1.6	24.5	1.7	31.1	1574	500
12x3x1	0.6	1.6	25.4	1.7	32.0	1710	500
16x3x1	0.6	2	28.4	1.8	36.0	2287	500
20x3x1	0.6	2	31.9	1.9	39.7	2657	500
24x3x1	0.6	2.5	35.6	2.0	44.6	3439	500
30x3x1	0.6	2.5	38.3	2.1	47.5	3924	500
Conductor : 1.5 mm^2 (7x0.53 mm)							
1x3x1.5	0.6	0.9	9.4	1.4	14.0	361	1000
2x3x1.5	0.6	0.9	14.5	1.5	19.3	573	1000
3x3x1.5	0.6	0.9	15.5	1.5	20.3	663	1000
4x3x1.5	0.6	1.25	17.1	1.6	22.8	909	1000
5x3x1.5	0.6	1.25	18.8	1.6	24.5	1032	1000
6x3x1.5	0.6	1.25	20.6	1.6	26.3	1166	500
7x3x1.5	0.6	1.25	20.6	1.6	26.3	1230	500
10x3x1.5	0.6	1.6	26.7	1.8	33.5	1855	500
12x3x1.5	0.6	2	27.7	1.8	35.3	2279	500
16x3x1.5	0.6	2	31.0	1.9	38.8	2717	500
20x3x1.5	0.6	2.5	35.3	2.0	44.3	3633	500
24x3x1.5	0.6	2.5	39.3	2.1	48.5	4123	500
30x3x1.5	0.6	2.5	41.9	2.2	51.3	4681	250

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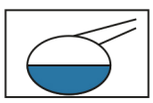
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm^2 (7x0.67 mm)							
1x3x2.5	0.7	0.9	10.7	1.4	15.3	429	1000
2x3x2.5	0.7	1.25	16.8	1.6	22.5	847	1000
3x3x2.5	0.7	1.25	18.0	1.6	23.7	977	1000
4x3x2.5	0.7	1.25	19.9	1.6	25.6	1145	500
5x3x2.5	0.7	1.6	21.9	1.7	28.5	1488	500
6x3x2.5	0.7	1.6	24.1	1.7	30.7	1676	500
7x3x2.5	0.7	1.6	24.1	1.7	30.7	1772	500
10x3x2.5	0.7	2	31.4	1.9	39.2	2672	500
12x3x2.5	0.7	2	32.5	1.9	40.3	2932	500
16x3x2.5	0.7	2.5	36.8	2.1	46.0	3989	500
20x3x2.5	0.7	2.5	41.4	2.2	50.8	4702	250
24x3x2.5	0.7	3.15	46.3	2.3	57.2	6046	250
30x3x2.5	0.7	3.15	49.7	2.4	60.8	6935	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)HRH

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

Low smoke
Acc to IEC 61034