

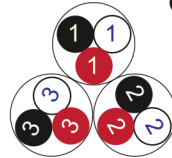
RE-Y(St)YBY , TiMF

EN 50288-7 (500 V)

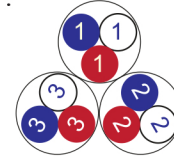


Conductor Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :



Black,White,Red (Numbered)



Blue,White,Red (Numbered)

Insulation PVC

Cable Unit Triple (Multi-Triple Cable)

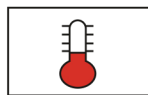
Individual Element Screen Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape

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



+70 °C



IEC 60332-1



10x O.D



Screened



Armoured

Instrument Cables

Criteria	Standard Values					Unit
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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.	100					MOhm x km
Mutual capacitance	max.	250					nF/km
L/R (ratio)	max.	25	25	25	40	60	microH/ Ohm
Test voltage :	for 1 minute	2.0 kV A.C or 3.0 kV D.C					K.V
core to core							
core to screen							
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	7.2	1.3	10.6	179	1000
2x3x0.5	0.6	0.2	11.5	1.4	15.1	295	1000
3x3x0.5	0.6	0.2	12.2	1.4	15.8	343	1000
4x3x0.5	0.6	0.2	13.4	1.4	17.0	399	1000
5x3x0.5	0.6	0.2	14.7	1.5	18.5	465	1000
6x3x0.5	0.6	0.2	16.1	1.5	19.9	525	1000
7x3x0.5	0.6	0.2	16.1	1.5	19.9	560	1000
10x3x0.5	0.6	0.2	20.7	1.6	24.7	758	500
12x3x0.5	0.6	0.2	21.4	1.6	25.4	842	500
16x3x0.5	0.6	0.2	23.9	1.7	28.1	1039	500
20x3x0.5	0.6	0.2	26.8	1.7	31.0	1234	500
24x3x0.5	0.6	0.2	29.9	1.8	34.3	1446	500
30x3x0.5	0.6	0.2	31.8	1.9	36.4	1707	500
Conductor : 0.75 mm ² (7x0.37 mm)							
1x3x0.75	0.6	0.2	7.6	1.3	11.0	197	1000
2x3x0.75	0.6	0.2	12.3	1.4	15.9	330	1000
3x3x0.75	0.6	0.2	13.1	1.4	16.7	389	1000
4x3x0.75	0.6	0.2	14.4	1.5	18.2	464	1000
5x3x0.75	0.6	0.2	15.9	1.5	19.7	535	1000
6x3x0.75	0.6	0.2	17.4	1.5	21.2	607	1000
7x3x0.75	0.6	0.2	17.4	1.5	21.2	652	1000
10x3x0.75	0.6	0.2	22.4	1.7	26.6	898	500
12x3x0.75	0.6	0.2	23.2	1.7	27.4	1003	500
16x3x0.75	0.6	0.2	25.9	1.7	30.1	1233	500
20x3x0.75	0.6	0.2	29.1	1.8	33.5	1484	500
24x3x0.75	0.6	0.2	32.8	1.9	37.4	1779	500
30x3x0.75	0.6	0.2	34.9	1.9	39.5	2089	500

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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 : 1.0 mm² (7x0.43 mm)							
1x3x1	0.6	0.2	8.0	1.3	11.4	212	1000
2x3x1	0.6	0.2	13.1	1.4	16.7	361	1000
3x3x1	0.6	0.2	13.9	1.5	17.7	437	1000
4x3x1	0.6	0.2	15.3	1.5	19.1	517	1000
5x3x1	0.6	0.2	16.8	1.5	20.6	598	1000
6x3x1	0.6	0.2	18.5	1.6	22.5	690	1000
7x3x1	0.6	0.2	18.5	1.6	22.5	745	1000
10x3x1	0.6	0.2	23.8	1.7	28.0	1017	500
12x3x1	0.6	0.2	24.7	1.7	28.9	1142	500
16x3x1	0.6	0.2	27.6	1.8	32.0	1425	500
20x3x1	0.6	0.2	31.0	1.8	35.4	1707	500
24x3x1	0.6	0.2	35.0	1.9	39.6	2046	500
30x3x1	0.6	0.5	37.2	2.0	43.2	2880	500
Conductor : 1.5 mm² (7x0.53 mm)							
1x3x1.5	0.6	0.2	8.7	1.3	12.1	243	1000
2x3x1.5	0.6	0.2	14.3	1.5	18.1	428	1000
3x3x1.5	0.6	0.2	15.2	1.5	19.0	518	1000
4x3x1.5	0.6	0.2	16.8	1.5	20.6	619	1000
5x3x1.5	0.6	0.2	18.5	1.6	22.5	731	1000
6x3x1.5	0.6	0.2	20.3	1.6	24.3	837	1000
7x3x1.5	0.6	0.2	20.3	1.6	24.3	909	1000
10x3x1.5	0.6	0.2	26.3	1.7	30.5	1250	500
12x3x1.5	0.6	0.2	27.2	1.8	31.6	1426	500
16x3x1.5	0.6	0.2	30.5	1.8	34.9	1778	500
20x3x1.5	0.6	0.2	34.7	1.9	39.3	2194	500
24x3x1.5	0.6	0.5	38.7	2.1	44.9	3065	500
30x3x1.5	0.6	0.5	41.1	2.1	47.3	3580	500

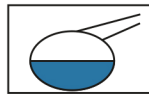
Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)							
1x3x2.5	0.7	0.2	10.0	1.4	13.6	309	1000
2x3x2.5	0.7	0.2	16.8	1.5	20.6	548	1000
3x3x2.5	0.7	0.2	18.0	1.6	22.0	686	1000
4x3x2.5	0.7	0.2	19.8	1.6	23.8	830	1000
5x3x2.5	0.7	0.2	21.9	1.7	26.1	987	500
6x3x2.5	0.7	0.2	24.1	1.7	28.3	1137	500
7x3x2.5	0.7	0.2	24.1	1.7	28.3	1245	500
10x3x2.5	0.7	0.2	31.3	1.9	35.9	1738	500
12x3x2.5	0.7	0.2	32.9	1.9	37.5	2014	500
16x3x2.5	0.7	0.5	36.8	2.0	42.8	2988	500
20x3x2.5	0.7	0.5	41.4	2.1	47.6	3589	500
24x3x2.5	0.7	0.5	46.6	2.3	53.2	4278	250
30x3x2.5	0.7	0.5	49.6	2.3	56.2	5030	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