

RE-Y(St)YRY , TiMF

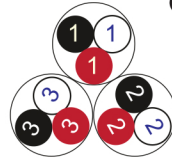


EN 50288-7 (500 V)

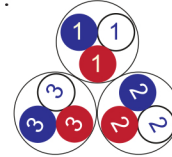


Conductor Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :



Black,White,Red (Numbered)



Blue,White,Red (Numbered)

Insulation PVC

Cable Unit Triple (Multi-Triple Cable)

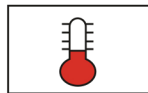
Individual Element Screen Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape

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

Inner Covering (Bedding) Extruded PVC

Armour Galvanized Steel Wires

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 :							
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

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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	7.2	1.3	11.6	264	1000
2x3x0.5	0.6	0.9	11.5	1.4	16.1	427	1000
3x3x0.5	0.6	0.9	12.2	1.4	16.8	481	1000
4x3x0.5	0.6	0.9	13.4	1.5	18.2	556	1000
5x3x0.5	0.6	0.9	14.7	1.5	19.5	626	1000
6x3x0.5	0.6	1.25	16.1	1.5	21.6	828	1000
7x3x0.5	0.6	1.25	16.1	1.5	21.6	863	1000
10x3x0.5	0.6	1.25	20.7	1.7	26.6	1150	500
12x3x0.5	0.6	1.25	21.4	1.7	27.3	1239	500
16x3x0.5	0.6	1.6	23.9	1.7	30.5	1656	500
20x3x0.5	0.6	1.6	26.8	1.8	33.6	1926	500
24x3x0.5	0.6	2	29.9	1.9	37.7	2480	500
30x3x0.5	0.6	2	31.8	1.9	39.6	2791	500
Conductor : 0.75 mm ² (7x0.37 mm)							
1x3x0.75	0.6	0.9	7.6	1.3	12.0	289	1000
2x3x0.75	0.6	0.9	12.3	1.4	16.9	467	1000
3x3x0.75	0.6	0.9	13.1	1.5	17.9	543	1000
4x3x0.75	0.6	0.9	14.4	1.5	19.2	622	1000
5x3x0.75	0.6	1.25	15.9	1.5	21.4	830	1000
6x3x0.75	0.6	1.25	17.4	1.6	23.1	940	1000
7x3x0.75	0.6	1.25	17.4	1.6	23.1	985	1000
10x3x0.75	0.6	1.6	22.4	1.7	29.0	1477	500
12x3x0.75	0.6	1.6	23.2	1.7	29.8	1608	500
16x3x0.75	0.6	1.6	25.9	1.8	32.7	1914	500
20x3x0.75	0.6	2	29.1	1.9	36.9	2498	500
24x3x0.75	0.6	2	32.8	2.0	40.8	2897	500
30x3x0.75	0.6	2.5	34.9	2.1	44.1	3681	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	8.0	1.3	12.4	307	1000
2x3x1	0.6	0.9	13.1	1.5	17.9	515	1000
3x3x1	0.6	0.9	13.9	1.5	18.7	594	1000
4x3x1	0.6	0.9	15.3	1.5	20.1	684	1000
5x3x1	0.6	1.25	16.8	1.6	22.5	925	1000
6x3x1	0.6	1.25	18.5	1.6	24.2	1028	1000
7x3x1	0.6	1.25	18.5	1.6	24.2	1082	1000
10x3x1	0.6	1.6	23.8	1.7	30.4	1635	500
12x3x1	0.6	1.6	24.7	1.8	31.5	1782	500
16x3x1	0.6	1.6	27.6	1.8	34.4	2132	500
20x3x1	0.6	2	31.0	1.9	38.8	2784	500
24x3x1	0.6	2.5	35.0	2.0	44.0	3619	500
30x3x1	0.6	2.5	37.2	2.1	46.4	4112	500
Conductor : 1.5 mm ² (7x0.53 mm)							
1x3x1.5	0.6	0.9	8.7	1.4	13.3	349	1000
2x3x1.5	0.6	0.9	14.3	1.5	19.1	587	1000
3x3x1.5	0.6	0.9	15.2	1.5	20.0	686	1000
4x3x1.5	0.6	1.25	16.8	1.6	22.5	946	1000
5x3x1.5	0.6	1.25	18.5	1.6	24.2	1078	1000
6x3x1.5	0.6	1.25	20.3	1.7	26.2	1221	500
7x3x1.5	0.6	1.25	20.3	1.7	26.2	1294	500
10x3x1.5	0.6	1.6	26.3	1.8	33.1	1929	500
12x3x1.5	0.6	1.6	27.2	1.8	34.0	2118	500
16x3x1.5	0.6	2	30.5	1.9	38.3	2834	500
20x3x1.5	0.6	2.5	34.7	2.1	43.9	3787	500
24x3x1.5	0.6	2.5	38.7	2.1	47.9	4335	500
30x3x1.5	0.6	2.5	41.1	2.2	50.5	4905	250

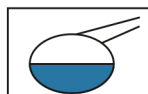
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)							
1x3x2.5	0.7	0.9	10.0	1.4	14.6	426	1000
2x3x2.5	0.7	1.25	16.8	1.6	22.5	875	1000
3x3x2.5	0.7	1.25	18.0	1.6	23.7	1017	1000
4x3x2.5	0.7	1.25	19.8	1.7	25.7	1208	500
5x3x2.5	0.7	1.6	21.9	1.7	28.5	1553	500
6x3x2.5	0.7	1.6	24.1	1.8	30.9	1765	500
7x3x2.5	0.7	1.6	24.1	1.8	30.9	1873	500
10x3x2.5	0.7	2	31.3	2.0	39.3	2815	500
12x3x2.5	0.7	2	32.9	2.0	40.9	3132	500
16x3x2.5	0.7	2.5	36.8	2.1	46.0	4189	500
20x3x2.5	0.7	2.5	41.4	2.2	50.8	4950	250
24x3x2.5	0.7	3.15	46.6	2.4	57.7	6477	250
30x3x2.5	0.7	3.15	49.6	2.5	60.9	7328	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