

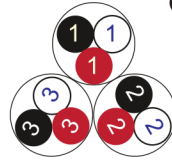
# RE-Y(St)Y, TiMF

EN 50288-7 (500 V)

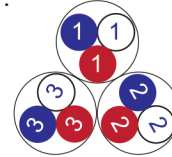


**Conductor**      Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :



Black,White,Red (Numbered)



Blue,White,Red (Numbered)

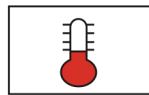
**Insulation**      PVC

**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

**Outer Sheath**      Extruded PVC



+70 °C



IEC 60332-1



7.5x O.D



Screened

	Criteria	Standard Values					Unit
Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm <sup>2</sup>
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	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	Kg/Km	meter
<b>Conductor : 0.5 mm<sup>2</sup> (7x0.3 mm)</b>					
1x3x0.5	0.6	0.9	7.0	64	1000
2x3x0.5	0.6	1.0	11.5	120	1000
3x3x0.5	0.6	1.0	12.2	159	1000
4x3x0.5	0.6	1.1	13.6	204	1000
5x3x0.5	0.6	1.1	14.9	245	1000
6x3x0.5	0.6	1.2	16.5	293	1000
7x3x0.5	0.6	1.2	16.5	328	1000
10x3x0.5	0.6	1.3	21.3	464	1000
12x3x0.5	0.6	1.3	22.0	538	1000
16x3x0.5	0.6	1.4	24.7	701	500
20x3x0.5	0.6	1.5	27.8	868	500
24x3x0.5	0.6	1.6	31.1	1038	500
30x3x0.5	0.6	1.7	33.2	1273	500
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>					
1x3x0.75	0.6	0.9	7.4	76	1000
2x3x0.75	0.6	1.0	12.3	144	1000
3x3x0.75	0.6	1.1	13.3	197	1000
4x3x0.75	0.6	1.1	14.6	248	1000
5x3x0.75	0.6	1.2	16.3	305	1000
6x3x0.75	0.6	1.2	17.8	357	1000
7x3x0.75	0.6	1.2	17.8	402	1000
10x3x0.75	0.6	1.4	23.2	579	1000
12x3x0.75	0.6	1.4	24.0	673	1000
16x3x0.75	0.6	1.5	26.9	877	500
20x3x0.75	0.6	1.6	30.3	1087	500
24x3x0.75	0.6	1.7	33.8	1300	500
30x3x0.75	0.6	1.8	36.1	1596	500

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Nominal cross section area of conductor	Insulation thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	Kg/Km	meter
<b>Conductor : 1.0 mm<sup>2</sup> (7x0.43 mm)</b>					
1x3x1	0.6	0.9	7.8	86	1000
2x3x1	0.6	1.1	13.3	170	1000
3x3x1	0.6	1.1	14.1	228	1000
4x3x1	0.6	1.1	15.5	288	1000
5x3x1	0.6	1.2	17.2	356	1000
6x3x1	0.6	1.2	18.9	418	1000
7x3x1	0.6	1.2	18.9	472	1000
10x3x1	0.6	1.4	24.6	679	500
12x3x1	0.6	1.4	25.5	792	500
16x3x1	0.6	1.5	28.6	1036	500
20x3x1	0.6	1.6	32.2	1285	500
24x3x1	0.6	1.8	36.2	1551	500
30x3x1	0.6	1.8	38.4	1891	500
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>					
1x3x1.5	0.6	0.9	8.5	108	1000
2x3x1.5	0.6	1.1	14.5	213	1000
3x3x1.5	0.6	1.1	15.4	290	1000
4x3x1.5	0.6	1.2	17.2	377	1000
5x3x1.5	0.6	1.2	18.9	457	1000
6x3x1.5	0.6	1.3	20.9	547	1000
7x3x1.5	0.6	1.3	20.9	619	1000
10x3x1.5	0.6	1.5	27.3	890	500
12x3x1.5	0.6	1.5	28.2	1040	500
16x3x1.5	0.6	1.6	31.7	1362	500
20x3x1.5	0.6	1.8	35.9	1704	500
24x3x1.5	0.6	1.9	40.1	2038	500
30x3x1.5	0.6	2.0	42.7	2507	500

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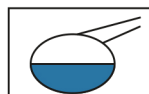
Nominal cross section area of conductor	Insulation thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)					
1x3x2.5	0.7	1.0	10.0	154	1000
2x3x2.5	0.7	1.2	17.2	305	1000
3x3x2.5	0.7	1.2	18.4	419	1000
4x3x2.5	0.7	1.3	20.4	545	1000
5x3x2.5	0.7	1.4	22.7	674	1000
6x3x2.5	0.7	1.4	24.9	795	500
7x3x2.5	0.7	1.4	24.9	903	500
10x3x2.5	0.7	1.7	32.7	1309	500
12x3x2.5	0.7	1.7	33.9	1534	500
16x3x2.5	0.7	1.9	38.2	2024	500
20x3x2.5	0.7	2.0	43.0	2510	500
24x3x2.5	0.7	2.2	48.2	3020	500
30x3x2.5	0.7	2.3	51.4	3717	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)H



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



Low smoke  
Acc to IEC 61034