

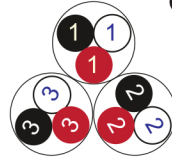
# RE-Y(St)YBY

## EN 50288-7 (500 V)

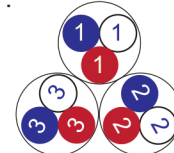


**Conductor**      Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :



Black, White, Red (Numbered)



Blue, White, Red (Numbered)

**Insulation**      PVC

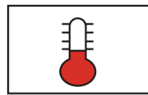
**Cable Unit**      Triple (Multi-Triple Cable)

**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

Criteria	Standard Values					Unit
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Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm <sup>2</sup>
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Conductor DC Resistance @ 20°C	max.	36.7	25.0	18.5	12.3	7.4	Ohm/kM
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Insulation resistance	min.	100				MOhm x km
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Mutual capacitance	max.	250				nF/km
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L/R (ratio)	max.	25	25	25	40	60	microH/ Ohm
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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 <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
<b>Conductor : 0.5 mm<sup>2</sup> (7x0.30 mm)</b>							
1x3x0.5	0.6	0.2	6.8	1.3	10.2	164	1000
2x3x0.5	0.6	0.2	10.1	1.4	13.7	254	1000
3x3x0.5	0.6	0.2	10.8	1.4	14.4	292	1000
4x3x0.5	0.6	0.2	11.8	1.4	15.4	337	1000
5x3x0.5	0.6	0.2	12.9	1.4	16.5	383	1000
6x3x0.5	0.6	0.2	14.1	1.5	17.9	438	1000
7x3x0.5	0.6	0.2	14.1	1.5	17.9	465	1000
10x3x0.5	0.6	0.2	18.0	1.5	21.8	616	1000
12x3x0.5	0.6	0.2	18.6	1.6	22.6	690	1000
16x3x0.5	0.6	0.2	20.7	1.6	24.7	836	500
20x3x0.5	0.6	0.2	23.2	1.7	27.4	999	500
24x3x0.5	0.6	0.2	25.8	1.7	30.0	1156	500
30x3x0.5	0.6	0.2	27.4	1.8	31.8	1359	500
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>							
1x3x0.75	0.6	0.2	7.3	1.3	10.7	182	1000
2x3x0.75	0.6	0.2	10.9	1.4	14.5	287	1000
3x3x0.75	0.6	0.2	11.6	1.4	15.2	336	1000
4x3x0.75	0.6	0.2	12.7	1.4	16.3	392	1000
5x3x0.75	0.6	0.2	13.9	1.5	17.7	456	1000
6x3x0.75	0.6	0.2	15.2	1.5	19.0	516	1000
7x3x0.75	0.6	0.2	15.2	1.5	19.0	552	1000
10x3x0.75	0.6	0.2	19.6	1.6	23.6	748	1000
12x3x0.75	0.6	0.2	20.2	1.6	24.2	832	1000
16x3x0.75	0.6	0.2	22.6	1.7	26.8	1030	500
20x3x0.75	0.6	0.2	25.3	1.7	29.5	1225	500
24x3x0.75	0.6	0.2	28.2	1.8	32.6	1437	500
30x3x0.75	0.6	0.2	30.0	1.8	34.4	1686	500

# RE-Y(St)YRY

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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 <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
<b>Conductor : 1.0 mm<sup>2</sup> (7x0.43 mm)</b>							
1x3x1	0.6	0.2	7.7	1.3	11.1	197	1000
2x3x1	0.6	0.2	11.6	1.4	15.2	316	1000
3x3x1	0.6	0.2	12.3	1.4	15.9	375	1000
4x3x1	0.6	0.2	13.5	1.4	17.1	441	1000
5x3x1	0.6	0.2	14.8	1.5	18.6	517	1000
6x3x1	0.6	0.2	16.2	1.5	20.0	587	1000
7x3x1	0.6	0.2	16.2	1.5	20.0	632	1000
10x3x1	0.6	0.2	20.9	1.6	24.9	861	500
12x3x1	0.6	0.2	21.6	1.6	25.6	965	500
16x3x1	0.6	0.2	24.2	1.7	28.4	1203	500
20x3x1	0.6	0.2	27.1	1.7	31.3	1438	500
24x3x1	0.6	0.2	30.2	1.8	34.6	1691	500
30x3x1	0.6	0.2	32.1	1.9	36.7	2012	500
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>							
1x3x1.5	0.6	0.2	8.3	1.3	11.7	227	1000
2x3x1.5	0.6	0.2	12.7	1.4	16.3	373	1000
3x3x1.5	0.6	0.2	13.5	1.5	17.3	458	1000
4x3x1.5	0.6	0.2	14.9	1.5	18.7	546	1000
5x3x1.5	0.6	0.2	16.4	1.5	20.2	635	1000
6x3x1.5	0.6	0.2	17.9	1.6	21.9	736	1000
7x3x1.5	0.6	0.2	17.9	1.6	21.9	798	1000
10x3x1.5	0.6	0.2	23.1	1.7	27.3	1095	500
12x3x1.5	0.6	0.2	24.0	1.7	28.2	1236	500
16x3x1.5	0.6	0.2	26.8	1.8	31.2	1554	500
20x3x1.5	0.6	0.2	30.1	1.8	34.5	1869	500
24x3x1.5	0.6	0.2	34.0	1.9	38.6	2240	500
30x3x1.5	0.6	0.5	36.1	2.0	42.1	3112	500

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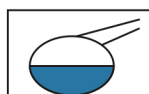
Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)							
1x3x2.5	0.7	0.2	9.7	1.4	13.3	292	1000
2x3x2.5	0.7	0.2	15.0	1.5	18.8	494	1000
3x3x2.5	0.7	0.2	16.0	1.5	19.8	610	1000
4x3x2.5	0.7	0.2	17.7	1.6	21.7	747	1000
5x3x2.5	0.7	0.2	19.5	1.6	23.5	879	1000
6x3x2.5	0.7	0.2	21.4	1.6	25.4	1012	500
7x3x2.5	0.7	0.2	21.4	1.6	25.4	1110	500
10x3x2.5	0.7	0.2	27.8	1.8	32.2	1548	500
12x3x2.5	0.7	0.2	28.8	1.8	33.2	1763	500
16x3x2.5	0.7	0.2	32.6	1.9	37.2	2272	500
20x3x2.5	0.7	0.5	36.6	2.0	42.6	3204	500
24x3x2.5	0.7	0.5	40.9	2.1	47.1	3753	500
30x3x2.5	0.7	0.5	43.5	2.2	49.9	4444	500

### 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