

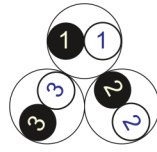
# RE-Y(St)YRY, PiMF

EN 50288-7 (500 V)

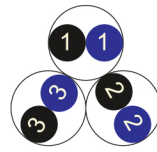


Conductor	Stranded (class 2) Plain annealed copper wires
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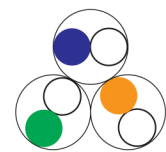
Color Coding (Options) :



Black,White (Numbered)



Black,Blue (Numbered)



IEC 60708 Full color

Insulation	PVC
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Cable Unit	Pair (Multi-Pair Cable)
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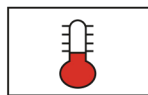
Individual Element Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape
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Collective (Overall) Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape
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Inner Covering (Bedding)	Extruded PVC
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Armour	Galvanized Steel Wires
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Outer Sheath	Extruded PVC
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+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 Wire Diameter	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>							
1x2x0.5	0.6	0.9	6.8	1.3	11.2	247	1000
2x2x0.5	0.6	0.9	10.4	1.4	15.0	377	1000
3x2x0.5	0.6	0.9	11.0	1.4	15.6	420	1000
4x2x0.5	0.6	0.9	12.1	1.4	16.7	478	1000
5x2x0.5	0.6	0.9	13.2	1.5	18.0	538	1000
6x2x0.5	0.6	0.9	14.4	1.5	19.2	598	1000
7x2x0.5	0.6	0.9	14.4	1.5	19.2	624	1000
10x2x0.5	0.6	1.25	18.5	1.6	24.2	973	1000
12x2x0.5	0.6	1.25	19.2	1.6	24.9	1042	500
16x2x0.5	0.6	1.25	21.3	1.7	27.2	1231	500
20x2x0.5	0.6	1.6	23.9	1.7	30.5	1613	500
24x2x0.5	0.6	1.6	26.6	1.8	33.4	1844	500
30x2x0.5	0.6	2	28.3	1.9	36.1	2344	500
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>							
1x2x0.75	0.6	0.9	7.3	1.3	11.7	268	1000
2x2x0.75	0.6	0.9	11.1	1.4	15.7	409	1000
3x2x0.75	0.6	0.9	11.9	1.4	16.5	464	1000
4x2x0.75	0.6	0.9	13.0	1.5	17.8	537	1000
5x2x0.75	0.6	0.9	14.2	1.5	19.0	604	1000
6x2x0.75	0.6	0.9	15.6	1.5	20.4	671	1000
7x2x0.75	0.6	0.9	15.6	1.5	20.4	704	1000
10x2x0.75	0.6	1.25	20.0	1.6	25.7	1087	500
12x2x0.75	0.6	1.25	20.7	1.7	26.6	1190	500
16x2x0.75	0.6	1.6	23.1	1.7	29.7	1589	500
20x2x0.75	0.6	1.6	25.9	1.8	32.7	1847	500
24x2x0.75	0.6	2	28.9	1.9	36.7	2380	500
30x2x0.75	0.6	2	30.7	1.9	38.5	2648	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 <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
<b>Conductor : 1.0 mm<sup>2</sup> (7x0.43 mm)</b>							
1x2x1	0.6	0.9	7.6	1.3	12.0	283	1000
2x2x1	0.6	0.9	11.8	1.4	16.4	443	1000
3x2x1	0.6	0.9	12.5	1.4	17.1	500	1000
4x2x1	0.6	0.9	13.8	1.5	18.6	580	1000
5x2x1	0.6	0.9	15.1	1.5	19.9	654	1000
6x2x1	0.6	1.25	16.5	1.6	22.2	874	1000
7x2x1	0.6	1.25	16.5	1.6	22.2	913	1000
10x2x1	0.6	1.25	21.3	1.7	27.2	1203	500
12x2x1	0.6	1.6	22.0	1.7	28.6	1488	500
16x2x1	0.6	1.6	24.6	1.8	31.4	1751	500
20x2x1	0.6	1.6	27.6	1.8	34.4	2041	500
24x2x1	0.6	2	30.8	1.9	38.6	2604	500
30x2x1	0.6	2	32.7	2.0	40.7	2954	500
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>							
1x2x1.5	0.6	0.9	8.2	1.4	12.8	318	1000
2x2x1.5	0.6	0.9	12.8	1.5	17.6	503	1000
3x2x1.5	0.6	0.9	13.7	1.5	18.5	579	1000
4x2x1.5	0.6	0.9	15.1	1.5	19.9	666	1000
5x2x1.5	0.6	1.25	16.5	1.6	22.2	899	1000
6x2x1.5	0.6	1.25	18.1	1.6	23.8	1008	1000
7x2x1.5	0.6	1.25	18.1	1.6	23.8	1059	1000
10x2x1.5	0.6	1.6	23.4	1.7	30.0	1586	500
12x2x1.5	0.6	1.6	24.3	1.8	31.1	1744	500
16x2x1.5	0.6	1.6	27.1	1.8	33.9	2065	500
20x2x1.5	0.6	2	30.4	1.9	38.2	2697	500
24x2x1.5	0.6	2	34.4	2.0	42.4	3152	500
30x2x1.5	0.6	2.5	36.5	2.1	45.7	3979	500

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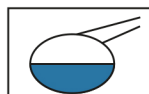
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)							
1x2x2.5	0.7	0.9	9.5	1.4	14.1	377	1000
2x2x2.5	0.7	0.9	15.1	1.5	19.9	614	1000
3x2x2.5	0.7	1.25	16.1	1.6	21.8	856	1000
4x2x2.5	0.7	1.25	17.7	1.6	23.4	991	1000
5x2x2.5	0.7	1.25	19.5	1.6	25.2	1127	500
6x2x2.5	0.7	1.25	21.4	1.7	27.3	1285	500
7x2x2.5	0.7	1.25	21.4	1.7	27.3	1361	500
10x2x2.5	0.7	2	27.8	1.9	35.6	2296	500
12x2x2.5	0.7	2	28.8	1.9	36.6	2486	500
16x2x2.5	0.7	2	32.7	2.0	40.7	3035	500
20x2x2.5	0.7	2.5	36.7	2.1	45.9	3961	500
24x2x2.5	0.7	2.5	41.0	2.2	50.4	4546	250
30x2x2.5	0.7	3.15	43.6	2.3	54.5	5835	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