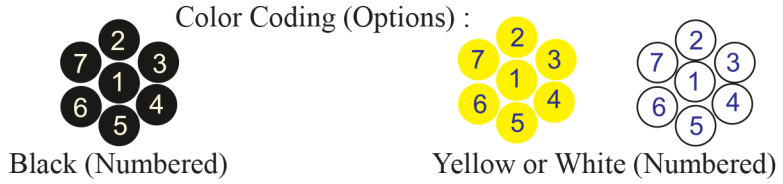


# RE-Y(St)YRY

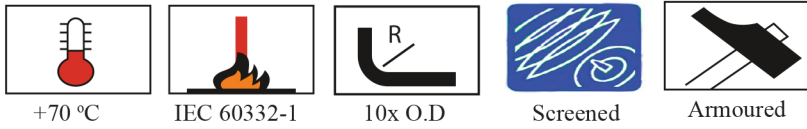
## EN 50288-7 (500 V)



Conductor	Stranded (class 2) Plain annealed copper wires
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Insulation	PVC
Cable Unit	Core (Multi-Core Cable)
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



Criteria	Standard Values						Unit
	Nominal	0.5	0.75	1	1.5	2.5	
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

Instrument Cables

# RE-Y(St)YRY

## EN 50288-7 (500 V)



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>							
2x0.5	0.6	0.9	6.5	1.3	10.9	229	1000
3x0.5	0.6	0.9	6.8	1.3	11.2	247	1000
4x0.5	0.6	0.9	7.4	1.3	11.8	271	1000
5x0.5	0.6	0.9	8.0	1.3	12.4	296	1000
6x0.5	0.6	0.9	8.6	1.4	13.2	327	1000
7x0.5	0.6	0.9	8.6	1.4	13.2	336	1000
8x0.5	0.6	0.9	9.8	1.4	14.4	379	1000
10x0.5	0.6	0.9	10.7	1.4	15.3	421	1000
12x0.5	0.6	0.9	11.0	1.4	15.6	447	1000
16x0.5	0.6	0.9	12.2	1.4	16.8	514	1000
20x0.5	0.6	0.9	13.5	1.5	18.3	591	1000
24x0.5	0.6	0.9	14.9	1.5	19.7	667	1000
30x0.5	0.6	1.25	15.7	1.5	21.2	866	1000
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>							
2x0.75	0.6	0.9	6.9	1.3	11.3	250	1000
3x0.75	0.6	0.9	7.3	1.3	11.7	271	1000
4x0.75	0.6	0.9	7.9	1.3	12.3	299	1000
5x0.75	0.6	0.9	8.5	1.4	13.1	333	1000
6x0.75	0.6	0.9	9.2	1.4	13.8	363	1000
7x0.75	0.6	0.9	9.2	1.4	13.8	375	1000
8x0.75	0.6	0.9	10.6	1.4	15.2	427	1000
10x0.75	0.6	0.9	11.5	1.4	16.1	476	1000
12x0.75	0.6	0.9	11.9	1.4	16.5	508	1000
16x0.75	0.6	0.9	13.1	1.5	17.9	597	1000
20x0.75	0.6	0.9	14.6	1.5	19.4	685	1000
24x0.75	0.6	1.25	16.1	1.6	21.8	910	1000
30x0.75	0.6	1.25	17.1	1.6	22.8	1012	1000

# RE-Y(St)YRY

## EN 50288-7 (500 V)

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>							
2x1	0.6	0.9	7.3	1.3	11.7	265	1000
3x1	0.6	0.9	7.7	1.3	12.1	288	1000
4x1	0.6	0.9	8.3	1.4	12.9	325	1000
5x1	0.6	0.9	9.0	1.4	13.6	358	1000
6x1	0.6	0.9	9.8	1.4	14.4	396	1000
7x1	0.6	0.9	9.8	1.4	14.4	411	1000
8x1	0.6	0.9	11.3	1.4	15.9	467	1000
10x1	0.6	0.9	12.2	1.4	16.8	522	1000
12x1	0.6	0.9	12.6	1.5	17.4	568	1000
16x1	0.6	0.9	14.0	1.5	18.8	668	1000
20x1	0.6	0.9	15.6	1.5	20.4	770	1000
24x1	0.6	1.25	17.2	1.6	22.9	1022	1000
30x1	0.6	1.25	18.2	1.6	23.9	1142	1000
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>							
2x1.5	0.6	0.9	7.9	1.3	12.3	293	1000
3x1.5	0.6	0.9	8.3	1.4	12.9	329	1000
4x1.5	0.6	0.9	9.0	1.4	13.6	373	1000
5x1.5	0.6	0.9	9.8	1.4	14.4	412	1000
6x1.5	0.6	0.9	10.7	1.4	15.3	457	1000
7x1.5	0.6	0.9	10.7	1.4	15.3	478	1000
8x1.5	0.6	0.9	12.3	1.5	17.1	549	1000
10x1.5	0.6	0.9	13.4	1.5	18.2	623	1000
12x1.5	0.6	0.9	13.9	1.5	18.7	674	1000
16x1.5	0.6	0.9	15.4	1.5	20.2	799	1000
20x1.5	0.6	1.25	17.2	1.6	22.9	1071	1000
24x1.5	0.6	1.25	19.0	1.6	24.7	1225	500
30x1.5	0.6	1.25	20.2	1.6	25.9	1391	500

# RE-Y(St)YRY

## EN 50288-7 (500 V)

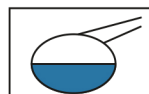
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)							
2x2.5	0.7	0.9	9.1	1.4	13.7	356	1000
3x2.5	0.7	0.9	9.7	1.4	14.3	404	1000
4x2.5	0.7	0.9	10.5	1.4	15.1	456	1000
5x2.5	0.7	0.9	11.5	1.4	16.1	519	1000
6x2.5	0.7	0.9	12.5	1.5	17.3	585	1000
7x2.5	0.7	0.9	12.5	1.5	17.3	617	1000
8x2.5	0.7	0.9	14.6	1.5	19.4	708	1000
10x2.5	0.7	1.25	15.9	1.6	21.6	948	1000
12x2.5	0.7	1.25	16.5	1.6	22.2	1028	1000
16x2.5	0.7	1.25	18.3	1.6	24.0	1217	1000
20x2.5	0.7	1.25	20.5	1.7	26.4	1430	500
24x2.5	0.7	1.6	22.7	1.7	29.3	1820	500
30x2.5	0.7	1.6	24.1	1.8	30.9	2074	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)HRH



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



Low smoke  
Acc to IEC 61034