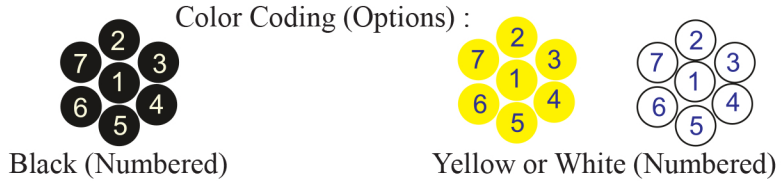


# RE-Y(St)Y

## EN 50288-7 (500 V)



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

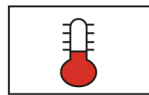


**Insulation**      PVC

**Cable Unit**      Core (Multi-Core Cable)

**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

Instrument Cables

200

	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

**RE-Y(St)Y**  
**EN 50288-7 (500 V)**



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>					
2x0.5	0.6	0.9	6.3	44	1000
3x0.5	0.6	0.9	6.6	54	1000
4x0.5	0.6	0.9	7.2	65	1000
5x0.5	0.6	0.9	7.8	76	1000
6x0.5	0.6	0.9	8.4	87	1000
7x0.5	0.6	0.9	8.4	96	1000
8x0.5	0.6	1.0	9.8	113	1000
10x0.5	0.6	1.0	10.7	134	1000
12x0.5	0.6	1.0	11.0	153	1000
16x0.5	0.6	1.0	12.2	193	1000
20x0.5	0.6	1.1	13.7	238	1000
24x0.5	0.6	1.1	15.1	280	1000
30x0.5	0.6	1.2	16.1	342	1000
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>					
2x0.75	0.6	0.9	6.7	52	1000
3x0.75	0.6	0.9	7.1	65	1000
4x0.75	0.6	0.9	7.7	79	1000
5x0.75	0.6	0.9	8.3	93	1000
6x0.75	0.6	0.9	9.0	108	1000
7x0.75	0.6	0.9	9.0	120	1000
8x0.75	0.6	1.0	10.6	141	1000
10x0.75	0.6	1.0	11.5	168	1000
12x0.75	0.6	1.0	11.9	193	1000
16x0.75	0.6	1.1	13.3	251	1000
20x0.75	0.6	1.1	14.8	305	1000
24x0.75	0.6	1.2	16.5	365	1000
30x0.75	0.6	1.2	17.5	440	1000

# RE-Y(St)Y

## EN 50288-7 (500 V)

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>					
2x1	0.6	0.9	7.1	59	1000
3x1	0.6	0.9	7.5	75	1000
4x1	0.6	0.9	8.1	92	1000
5x1	0.6	0.9	8.8	110	1000
6x1	0.6	1.0	9.8	131	1000
7x1	0.6	1.0	9.8	146	1000
8x1	0.6	1.0	11.3	167	1000
10x1	0.6	1.0	12.2	200	1000
12x1	0.6	1.0	12.6	232	1000
16x1	0.6	1.1	14.2	302	1000
20x1	0.6	1.1	15.8	368	1000
24x1	0.6	1.2	17.6	441	1000
30x1	0.6	1.2	18.6	534	1000
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>					
2x1.5	0.6	0.9	7.7	73	1000
3x1.5	0.6	0.9	8.1	96	1000
4x1.5	0.6	0.9	8.8	119	1000
5x1.5	0.6	1.0	9.8	146	1000
6x1.5	0.6	1.0	10.7	171	1000
7x1.5	0.6	1.0	10.7	191	1000
8x1.5	0.6	1.0	12.3	219	1000
10x1.5	0.6	1.1	13.6	270	1000
12x1.5	0.6	1.1	14.1	313	1000
16x1.5	0.6	1.1	15.6	402	1000
20x1.5	0.6	1.2	17.6	499	1000
24x1.5	0.6	1.3	19.6	599	1000
30x1.5	0.6	1.3	20.8	728	1000

**RE-Y(St)Y**  
**EN 50288-7 (500 V)**

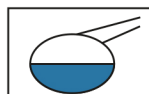
Nominal cross section area of conductor	Insulation thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)					
2x2.5	0.7	0.9	8.9	102	1000
3x2.5	0.7	1.0	9.7	140	1000
4x2.5	0.7	1.0	10.5	175	1000
5x2.5	0.7	1.0	11.5	211	1000
6x2.5	0.7	1.1	12.7	253	1000
7x2.5	0.7	1.1	12.7	285	1000
8x2.5	0.7	1.1	14.8	326	1000
10x2.5	0.7	1.2	16.3	403	1000
12x2.5	0.7	1.2	16.9	470	1000
16x2.5	0.7	1.3	18.9	615	1000
20x2.5	0.7	1.3	21.1	754	1000
24x2.5	0.7	1.4	23.5	904	1000
30x2.5	0.7	1.5	25.1	1113	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)H



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



Low smoke  
 Acc to IEC 61034