

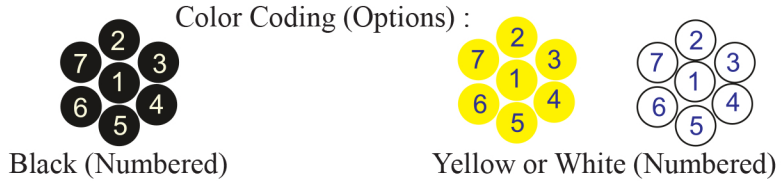
# RE-2X(St)Y

Fire Resistant

EN 50288-7 (500 V)



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

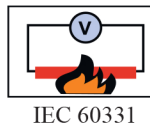
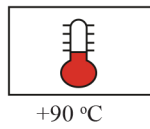


**Insulation**      Mica-glass Tape + XLPE

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

**Collective (Overall ) Screen**      Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape

**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.	1000					MOhm x km
Mutual capacitance	max.	150					nF/km
Capacitance unbalance	max.	500					pF/500m
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

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	7.2	48	1000
3x0.5	0.6	0.9	7.7	58	1000
4x0.5	0.6	0.9	8.3	70	1000
5x0.5	0.6	0.9	9.1	82	1000
6x0.5	0.6	0.9	9.8	94	1000
7x0.5	0.6	0.9	9.8	104	1000
8x0.5	0.6	1.0	11.6	123	1000
10x0.5	0.6	1.0	12.6	146	1000
12x0.5	0.6	1.0	13.0	166	1000
16x0.5	0.6	1.1	14.6	214	1000
20x0.5	0.6	1.1	16.2	259	1000
24x0.5	0.6	1.2	18.2	310	1000
30x0.5	0.6	1.2	19.2	371	1000
<b>Conductor : 0.75 mm<sup>2</sup> (7x0.37 mm)</b>					
2x0.75	0.6	0.9	7.7	55	1000
3x0.75	0.6	0.9	8.1	69	1000
4x0.75	0.6	0.9	8.8	84	1000
5x0.75	0.6	0.9	9.6	99	1000
6x0.75	0.6	1.0	10.7	119	1000
7x0.75	0.6	1.0	10.7	131	1000
8x0.75	0.6	1.0	12.3	150	1000
10x0.75	0.6	1.1	13.6	184	1000
12x0.75	0.6	1.1	14.1	211	1000
16x0.75	0.6	1.1	15.6	267	1000
20x0.75	0.6	1.2	17.6	330	1000
24x0.75	0.6	1.2	19.4	388	1000
30x0.75	0.6	1.3	20.8	475	1000

**RE-2X(St)Y****Fire Resistant****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	8.0	62	1000
3x1	0.6	0.9	8.5	79	1000
4x1	0.6	0.9	9.3	97	1000
5x1	0.6	1.0	10.3	119	1000
6x1	0.6	1.0	11.2	138	1000
7x1	0.6	1.0	11.2	153	1000
8x1	0.6	1.0	13.0	175	1000
10x1	0.6	1.1	14.4	216	1000
12x1	0.6	1.1	14.8	248	1000
16x1	0.6	1.1	16.4	316	1000
20x1	0.6	1.2	18.5	392	1000
24x1	0.6	1.2	20.5	462	1000
30x1	0.6	1.3	21.9	567	1000
<b>Conductor : 1.5 mm<sup>2</sup> (7x0.53 mm)</b>					
2x1.5	0.6	0.9	8.6	76	1000
3x1.5	0.6	0.9	9.2	99	1000
4x1.5	0.6	1.0	10.2	127	1000
5x1.5	0.6	1.0	11.1	152	1000
6x1.5	0.6	1.0	12.1	176	1000
7x1.5	0.6	1.0	12.1	197	1000
8x1.5	0.6	1.1	14.3	231	1000
10x1.5	0.6	1.1	15.6	279	1000
12x1.5	0.6	1.1	16.1	323	1000
16x1.5	0.6	1.2	18.1	421	1000
20x1.5	0.6	1.2	20.1	514	1000
24x1.5	0.6	1.3	22.5	616	1000
30x1.5	0.6	1.4	24.0	757	1000

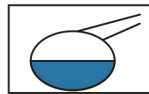
Nominal cross section area of conductor	Insulation thickness	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)					
2x2.5	0.7	1.0	10.1	107	1000
3x2.5	0.7	1.0	10.7	141	1000
4x2.5	0.7	1.0	11.7	177	1000
5x2.5	0.7	1.1	13.0	218	1000
6x2.5	0.7	1.1	14.2	255	1000
7x2.5	0.7	1.1	14.2	287	1000
8x2.5	0.7	1.2	16.7	335	1000
10x2.5	0.7	1.2	18.2	406	1000
12x2.5	0.7	1.2	18.9	472	1000
16x2.5	0.7	1.3	21.2	617	1000
20x2.5	0.7	1.4	23.8	765	1000
24x2.5	0.7	1.5	26.6	916	500
30x2.5	0.7	1.5	28.2	1115	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