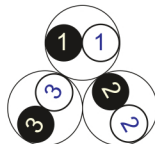


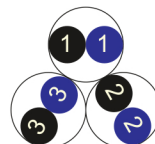
**RE-2X(St)YQY , PiMF****Fire Resistant****IEC 60092-376 150/250 V (300 V)****KCI**

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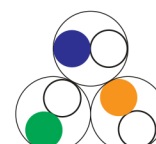
Color Coding (Options) :



Black,White (Numbered)



Black,Blue (Numbered)



IEC 60708 Full color

Insulation	Mica-glass Tape + XLPE
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Cable Unit	Pair (Multi-Pair Cable)
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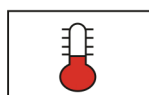
Individual Element Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape
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Collective (Overall ) Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape
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Inner Covering (Bedding)	Extruded PVC
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Armour	Braid of Galvanized Steel Wires
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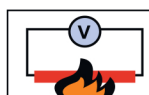
Outer Sheath	Extruded PVC
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+90 °C



IEC 60332-1



IEC 60331



10x O.D



Screened



Armoured

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.	40.4	26	19.2	12.8	7.86		Ohm/kM
Insulation resistance	min.	1000						MOhm x km
Mutual capacitance	max.	150						nF/km
L/R (ratio)	max.	25	25	25	40	60		microH/ Ohm
Test voltage :		1.5 kV A.C						K.V
core to core	for 5 minutes							
core to screen								
Operating voltage U(rms)		300						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 : 0.5 mm <sup>2</sup> (7x0.30 mm)							
1x2x0.5	0.4	0.2	7.0	1.1	10.1	158	1000
2x2x0.5	0.4	0.3	10.7	1.2	14.4	272	1000
3x2x0.5	0.4	0.3	11.4	1.3	15.3	333	1000
4x2x0.5	0.4	0.3	12.4	1.3	16.4	380	1000
5x2x0.5	0.4	0.3	13.6	1.3	17.6	442	1000
6x2x0.5	0.4	0.3	14.9	1.4	19.0	499	1000
7x2x0.5	0.4	0.3	14.9	1.4	19.0	532	1000
10x2x0.5	0.4	0.3	19.1	1.5	23.4	725	1000
12x2x0.5	0.4	0.3	19.7	1.6	24.3	810	1000
16x2x0.5	0.4	0.3	22.0	1.6	26.6	991	500
20x2x0.5	0.4	0.3	24.7	1.7	29.4	1169	500
24x2x0.5	0.4	0.3	27.5	1.8	32.4	1374	500
30x2x0.5	0.4	0.3	29.2	1.9	34.3	1632	500
Conductor : 0.75 mm <sup>2</sup> (7x0.37 mm)							
1x2x0.75	0.5	0.2	7.8	1.1	10.9	174	1000
2x2x0.75	0.5	0.3	12.1	1.3	16.1	326	1000
3x2x0.75	0.5	0.3	12.9	1.3	16.9	377	1000
4x2x0.75	0.5	0.3	14.2	1.4	18.4	457	1000
5x2x0.75	0.5	0.3	15.6	1.4	19.7	529	1000
6x2x0.75	0.5	0.3	17.1	1.5	21.4	597	1000
7x2x0.75	0.5	0.3	17.1	1.5	21.4	638	1000
10x2x0.75	0.5	0.3	22.0	1.6	26.5	874	500
12x2x0.75	0.5	0.3	22.8	1.7	27.5	978	500
16x2x0.75	0.5	0.3	25.4	1.8	30.4	1211	500
20x2x0.75	0.5	0.3	28.5	1.9	33.7	1433	500
24x2x0.75	0.5	0.4	32.2	2.0	38.0	1812	500
30x2x0.75	0.5	0.4	34.3	2.1	40.3	2107	500

**RE-2X(St)YQY, PiMF****Fire Resistant****IEC 60092-376****150/250 V (300 V)****KCI**

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 : 1.0 mm <sup>2</sup> (7x0.43 mm)							
1x2x1	0.5	0.2	8.2	1.1	11.3	173	1000
2x2x1	0.5	0.3	12.8	1.3	16.7	329	1000
3x2x1	0.5	0.3	13.6	1.3	17.6	396	1000
4x2x1	0.5	0.3	15.0	1.4	19.1	457	1000
5x2x1	0.5	0.3	16.4	1.4	20.6	535	1000
6x2x1	0.5	0.3	18.0	1.5	22.4	605	1000
7x2x1	0.5	0.3	18.0	1.5	22.4	646	1000
10x2x1	0.5	0.3	23.3	1.7	28.0	901	500
12x2x1	0.5	0.3	24.1	1.7	28.9	995	500
16x2x1	0.5	0.3	26.9	1.8	31.9	1233	500
20x2x1	0.5	0.3	30.2	1.9	35.4	1481	500
24x2x1	0.5	0.4	34.2	2.1	40.2	1865	500
30x2x1	0.5	0.4	36.3	2.1	42.3	2187	500
Conductor : 1.5 mm <sup>2</sup> (7x0.53 mm)							
1x2x1.5	0.6	0.2	9.2	1.2	12.5	209	1000
2x2x1.5	0.6	0.3	14.6	1.4	18.7	404	1000
3x2x1.5	0.6	0.3	15.5	1.4	19.7	485	1000
4x2x1.5	0.6	0.3	17.1	1.5	21.5	569	1000
5x2x1.5	0.6	0.3	18.9	1.5	23.2	665	1000
6x2x1.5	0.6	0.3	20.7	1.6	25.2	755	500
7x2x1.5	0.6	0.3	20.7	1.6	25.2	810	500
10x2x1.5	0.6	0.3	26.8	1.8	31.8	1126	500
12x2x1.5	0.6	0.3	27.8	1.8	32.8	1250	500
16x2x1.5	0.6	0.4	31.5	2.0	37.3	1700	500
20x2x1.5	0.6	0.4	35.4	2.1	41.4	2004	500
24x2x1.5	0.6	0.4	39.5	2.3	45.9	2378	500
30x2x1.5	0.6	0.4	42.0	2.4	48.6	2818	500

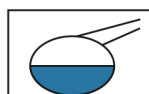
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm <sup>2</sup>	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm <sup>2</sup> (7x0.67 mm)							
1x2x2.5	0.6	0.2	10.0	1.2	13.3	250	1000
2x2x2.5	0.6	0.3	16.0	1.4	20.2	484	1000
3x2x2.5	0.6	0.3	17.2	1.5	21.5	584	1000
4x2x2.5	0.6	0.3	18.9	1.5	23.3	705	1000
5x2x2.5	0.6	0.3	20.9	1.6	25.4	818	500
6x2x2.5	0.6	0.3	22.9	1.7	27.7	956	500
7x2x2.5	0.6	0.3	22.9	1.7	27.7	1034	500
10x2x2.5	0.6	0.3	29.8	1.9	35.0	1435	500
12x2x2.5	0.6	0.4	31.3	2.0	37.1	1751	500
16x2x2.5	0.6	0.4	35.0	2.1	41.0	2143	500
20x2x2.5	0.6	0.4	39.4	2.3	45.8	2611	500
24x2x2.5	0.6	0.4	44.4	2.5	51.2	3142	250
30x2x2.5	0.6	0.4	47.2	2.6	54.2	3692	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)HQB



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



Low smoke  
Acc to IEC 61034