

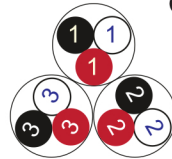
RE-Y(St)YKYRY , TiMF

EN 50288-7 (500 V)

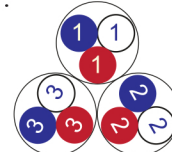


Conductor Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :

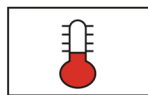


Black, White, Red (Numbered)



Blue, White, Red (Numbered)

Insulation	PVC
Cable Unit	Triple (Multi-Triple Cable)
Individual Element Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape
Collective (Overall) Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape
Inner Covering	Extruded PVC
Metal Sheath	Lead Sheath (Cover)
Inner Covering (Bedding)	Extruded PVC
Armour	Galvanized Steel Wires
Outer Sheath	Extruded PVC



+70 °C



IEC 60332-1



10x O.D



Screened



Armoured

	Criteria	Standard Values					Unit
		0.5	0.75	1	1.5	2.5	
Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm ²
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 :	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	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 0.5 mm² (7x0.30 mm)									
1x3x0.5	0.6	0.9	9.0	0.9	9.2	1.4	13.8	581	1000
2x3x0.5	0.6	1.0	13.5	0.9	13.5	1.5	18.3	905	1000
3x3x0.5	0.6	1.0	14.2	0.9	14.2	1.5	19.0	987	1000
4x3x0.5	0.6	1.0	15.4	0.9	15.4	1.5	20.2	1088	1000
5x3x0.5	0.6	1.1	16.9	0.9	16.7	1.6	21.7	1263	1000
6x3x0.5	0.6	1.1	18.3	1.25	18.1	1.6	23.8	1527	1000
7x3x0.5	0.6	1.1	18.3	1.25	18.1	1.6	23.8	1562	1000
10x3x0.5	0.6	1.2	23.1	1.25	22.7	1.7	28.6	2055	1000
12x3x0.5	0.6	1.2	23.8	1.25	23.4	1.7	29.3	2181	500
16x3x0.5	0.6	1.3	26.5	1.25	25.9	1.8	32.0	2592	500
20x3x0.5	0.6	1.4	29.6	1.25	28.8	1.8	34.9	3039	500
24x3x0.5	0.6	1.4	32.7	1.6	31.9	1.9	38.9	3677	500
30x3x0.5	0.6	1.5	34.8	1.6	34.2	2.0	41.4	4208	500
Conductor : 0.75 mm² (7x0.37 mm)									
1x3x0.75	0.6	0.9	9.4	0.9	9.6	1.4	14.2	622	1000
2x3x0.75	0.6	1.0	14.3	0.9	14.3	1.5	19.1	982	1000
3x3x0.75	0.6	1.0	15.1	0.9	15.1	1.5	19.9	1077	1000
4x3x0.75	0.6	1.1	16.6	0.9	16.4	1.6	21.4	1257	1000
5x3x0.75	0.6	1.1	18.1	1.25	17.9	1.6	23.6	1528	1000
6x3x0.75	0.6	1.1	19.6	1.25	19.4	1.6	25.1	1682	1000
7x3x0.75	0.6	1.1	19.6	1.25	19.4	1.6	25.1	1727	1000
10x3x0.75	0.6	1.3	25.0	1.25	24.4	1.8	30.5	2374	500
12x3x0.75	0.6	1.3	25.8	1.25	25.2	1.8	31.3	2526	500
16x3x0.75	0.6	1.4	28.7	1.25	27.9	1.8	34.0	3001	500
20x3x0.75	0.6	1.4	31.9	1.6	31.1	1.9	38.1	3672	500
24x3x0.75	0.6	1.5	35.8	1.6	35.2	2.0	42.4	4377	500
30x3x0.75	0.6	1.6	38.1	1.6	37.3	2.1	44.7	4965	500

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Nominal cross section area of conductor	Insulation thickness	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm² (7x0.43 mm)									
1x3x1	0.6	0.9	9.8	0.9	10.0	1.4	14.6	647	1000
2x3x1	0.6	1.0	15.1	0.9	15.1	1.5	19.9	1034	1000
3x3x1	0.6	1.1	16.1	0.9	15.9	1.5	20.7	1188	1000
4x3x1	0.6	1.1	17.5	0.9	17.3	1.6	22.3	1339	1000
5x3x1	0.6	1.1	19.0	1.25	18.8	1.6	24.5	1628	1000
6x3x1	0.6	1.2	20.9	1.25	20.5	1.7	26.4	1867	1000
7x3x1	0.6	1.2	20.9	1.25	20.5	1.7	26.4	1921	1000
10x3x1	0.6	1.3	26.4	1.25	25.8	1.8	31.9	2563	500
12x3x1	0.6	1.3	27.3	1.25	26.7	1.8	32.8	2736	500
16x3x1	0.6	1.4	30.4	1.6	29.6	1.9	36.6	3504	500
20x3x1	0.6	1.5	34.0	1.6	33.4	2.0	40.6	4168	500
24x3x1	0.6	1.6	38.2	1.6	37.4	2.1	44.8	4892	500
30x3x1	0.6	1.6	40.4	2	39.6	2.1	47.8	5749	500
Conductor : 1.5 mm² (7x0.53 mm)									
1x3x1.5	0.6	0.9	10.5	0.9	10.7	1.4	15.3	707	1000
2x3x1.5	0.6	1.1	16.5	0.9	16.3	1.6	21.3	1212	1000
3x3x1.5	0.6	1.1	17.4	1.25	17.2	1.6	22.9	1486	1000
4x3x1.5	0.6	1.1	19.0	1.25	18.8	1.6	24.5	1660	1000
5x3x1.5	0.6	1.2	20.9	1.25	20.5	1.7	26.4	1923	1000
6x3x1.5	0.6	1.2	22.7	1.25	22.3	1.7	28.2	2135	1000
7x3x1.5	0.6	1.2	22.7	1.25	22.3	1.7	28.2	2207	1000
10x3x1.5	0.6	1.4	29.1	1.25	28.3	1.8	34.4	3046	500
12x3x1.5	0.6	1.4	30.0	1.25	29.2	1.9	35.5	3278	500
16x3x1.5	0.6	1.5	33.5	1.6	32.9	2.0	40.1	4235	500
20x3x1.5	0.6	1.6	37.9	1.6	37.1	2.1	44.5	5048	500
24x3x1.5	0.6	1.7	42.1	2	41.1	2.2	49.5	6226	500
30x3x1.5	0.6	1.7	44.5	2	43.5	2.2	51.9	6903	500

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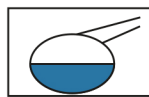
Nominal cross section area of conductor	Insulation thickness	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)									
1x3x2.5	0.7	1.0	12.0	0.9	12.0	1.5	16.8	868	1000
2x3x2.5	0.7	1.1	19.0	1.25	18.8	1.6	24.5	1602	1000
3x3x2.5	0.7	1.2	20.4	1.25	20.0	1.7	25.9	1868	1000
4x3x2.5	0.7	1.2	22.2	1.25	21.8	1.7	27.7	2121	1000
5x3x2.5	0.7	1.3	24.5	1.25	23.9	1.8	30.0	2459	500
6x3x2.5	0.7	1.3	26.7	1.25	26.1	1.8	32.2	2734	500
7x3x2.5	0.7	1.3	26.7	1.25	26.1	1.8	32.2	2842	500
10x3x2.5	0.7	1.5	34.3	1.6	33.7	2.0	40.9	4265	500
12x3x2.5	0.7	1.5	35.9	1.6	35.3	2.0	42.5	4654	500
16x3x2.5	0.7	1.6	40.0	2	39.2	2.2	47.6	5948	500
20x3x2.5	0.7	1.8	45.0	2	44.2	2.3	52.8	7196	500
24x3x2.5	0.7	1.9	50.4	2.5	49.4	2.4	59.2	8943	500
30x3x2.5	0.7	2.0	53.6	2.5	52.4	2.5	62.4	10168	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)HKHRH



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



Low smoke
Acc to IEC 61034