

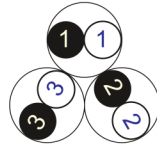
RE-Y(St)YKYRY

EN 50288-7 (500 V)

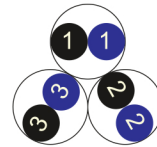


Conductor Stranded (class 2) Plain annealed copper wires

Color Coding (Options) :



Black,White (Numbered)



Black,Blue (Numbered)



IEC 60708 Full color

Insulation PVC

Cable Unit Pair (Multi-Pair Cable)

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

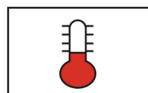
Inner Covering Extruded PVC

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
----------	-----------------	--	--	--	--	------

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

RE-Y(St)YKYRY

EN 50288-7 (500 V)



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)									
1x2x0.5	0.6	0.9	8.3	0.9	8.5	1.4	13.1	526	1000
2x2x0.5	0.6	0.9	11.0	0.9	11.2	1.4	15.8	695	1000
3x2x0.5	0.6	1.0	11.7	0.9	11.7	1.4	16.3	775	1000
4x2x0.5	0.6	1.0	12.6	0.9	12.6	1.5	17.4	853	1000
5x2x0.5	0.6	1.0	13.6	0.9	13.6	1.5	18.4	927	1000
6x2x0.5	0.6	1.0	14.6	0.9	14.6	1.5	19.4	1010	1000
7x2x0.5	0.6	1.0	14.6	0.9	14.6	1.5	19.4	1027	1000
10x2x0.5	0.6	1.1	18.3	1.25	18.1	1.6	23.8	1492	1000
12x2x0.5	0.6	1.1	18.8	1.25	18.6	1.6	24.3	1563	1000
16x2x0.5	0.6	1.2	20.9	1.25	20.5	1.7	26.4	1830	1000
20x2x0.5	0.6	1.2	23.0	1.25	22.6	1.7	28.5	2057	1000
24x2x0.5	0.6	1.3	25.6	1.25	25.0	1.8	31.1	2387	500
30x2x0.5	0.6	1.3	27.0	1.25	26.4	1.8	32.5	2597	500
Conductor : 0.75 mm² (7x0.37 mm)									
1x2x0.75	0.6	0.9	8.7	0.9	8.9	1.4	13.5	556	1000
2x2x0.75	0.6	1.0	11.9	0.9	11.9	1.4	16.5	786	1000
3x2x0.75	0.6	1.0	12.5	0.9	12.5	1.5	17.3	853	1000
4x2x0.75	0.6	1.0	13.5	0.9	13.5	1.5	18.3	935	1000
5x2x0.75	0.6	1.0	14.5	0.9	14.5	1.5	19.3	1025	1000
6x2x0.75	0.6	1.1	15.9	0.9	15.7	1.5	20.5	1161	1000
7x2x0.75	0.6	1.1	15.9	0.9	15.7	1.5	20.5	1185	1000
10x2x0.75	0.6	1.1	19.6	1.25	19.4	1.6	25.1	1657	1000
12x2x0.75	0.6	1.2	20.4	1.25	20.0	1.7	25.9	1814	1000
16x2x0.75	0.6	1.2	22.5	1.25	22.1	1.7	28.0	2061	1000
20x2x0.75	0.6	1.3	25.1	1.25	24.5	1.8	30.6	2420	500
24x2x0.75	0.6	1.3	27.6	1.25	27.0	1.8	33.1	2709	500
30x2x0.75	0.6	1.4	29.4	1.25	28.6	1.8	34.7	3051	500

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

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)									
1x2x1	0.6	0.9	9.1	0.9	9.3	1.4	13.9	578	1000
2x2x1	0.6	1.0	12.5	0.9	12.5	1.5	17.3	833	1000
3x2x1	0.6	1.0	13.1	0.9	13.1	1.5	17.9	901	1000
4x2x1	0.6	1.0	14.2	0.9	14.2	1.5	19.0	991	1000
5x2x1	0.6	1.0	15.3	0.9	15.3	1.5	20.1	1090	1000
6x2x1	0.6	1.1	16.7	0.9	16.5	1.5	21.3	1242	1000
7x2x1	0.6	1.1	16.7	0.9	16.5	1.5	21.3	1272	1000
10x2x1	0.6	1.2	21.0	1.25	20.6	1.7	26.5	1859	1000
12x2x1	0.6	1.2	21.7	1.25	21.3	1.7	27.2	1960	1000
16x2x1	0.6	1.2	23.9	1.25	23.5	1.7	29.4	2237	500
20x2x1	0.6	1.3	26.7	1.25	26.1	1.8	32.2	2631	500
24x2x1	0.6	1.4	29.6	1.25	28.8	1.8	34.9	3047	500
30x2x1	0.6	1.4	31.3	1.6	30.5	1.9	37.5	3599	500
Conductor : 1.5 mm² (7x0.53 mm)									
1x2x1.5	0.6	0.9	9.7	0.9	9.9	1.4	14.5	628	1000
2x2x1.5	0.6	1.0	13.4	0.9	13.4	1.5	18.2	923	1000
3x2x1.5	0.6	1.0	14.2	0.9	14.2	1.5	19.0	1007	1000
4x2x1.5	0.6	1.0	15.4	0.9	15.4	1.5	20.2	1121	1000
5x2x1.5	0.6	1.1	16.8	0.9	16.6	1.6	21.6	1298	1000
6x2x1.5	0.6	1.1	18.2	1.25	18.0	1.6	23.7	1565	1000
7x2x1.5	0.6	1.1	18.2	1.25	18.0	1.6	23.7	1607	1000
10x2x1.5	0.6	1.2	23.0	1.25	22.6	1.7	28.5	2134	1000
12x2x1.5	0.6	1.2	23.7	1.25	23.3	1.7	29.2	2274	500
16x2x1.5	0.6	1.3	26.4	1.25	25.8	1.8	31.9	2715	500
20x2x1.5	0.6	1.4	29.5	1.25	28.7	1.9	35.0	3205	500
24x2x1.5	0.6	1.4	32.5	1.6	31.7	1.9	38.7	3843	500
30x2x1.5	0.6	1.5	34.6	1.6	34.0	2.0	41.2	4434	500

RE-Y(St)YKYRY

EN 50288-7 (500 V)



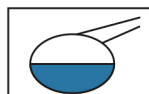
Nominal cross section area of conductor	Insulation thickness	Lead Sheath Thickness	Diameter Over Lead Sheath	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)									
1x2x2.5	0.7	0.9	10.9	0.9	11.1	1.4	15.7	728	1000
2x2x2.5	0.7	1.1	15.7	0.9	15.5	1.5	20.3	1153	1000
3x2x2.5	0.7	1.1	16.6	0.9	16.4	1.6	21.4	1284	1000
4x2x2.5	0.7	1.1	18.0	1.25	17.8	1.6	23.5	1580	1000
5x2x2.5	0.7	1.2	19.8	1.25	19.4	1.7	25.3	1830	1000
6x2x2.5	0.7	1.2	21.5	1.25	21.1	1.7	27.0	2020	1000
7x2x2.5	0.7	1.2	21.5	1.25	21.1	1.7	27.0	2085	1000
10x2x2.5	0.7	1.3	27.3	1.25	26.7	1.8	32.8	2789	500
12x2x2.5	0.7	1.4	28.4	1.25	27.6	1.8	33.7	3072	500
16x2x2.5	0.7	1.4	31.4	1.6	30.6	1.9	37.6	3815	500
20x2x2.5	0.7	1.5	35.5	1.6	34.9	2.0	42.1	4618	500
24x2x2.5	0.7	1.6	39.4	2	38.6	2.1	46.8	5699	500
30x2x2.5	0.7	1.7	41.9	2	40.9	2.2	49.3	6462	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