

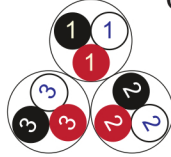
RE-Y(St)YRY , TiMFY

EN 50288-7 (500 V)

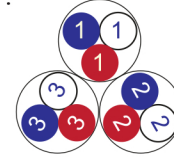


Conductor Stranded (class 2) Plain annealed copper wires

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

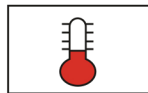
Individual Element Jacket Each Screened Triple has individual PVC Jacket

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

Inner Covering (Bedding) Extruded PVC

Armour Galvanized Steel Wires

Outer Sheath Extruded PVC



+70 °C



IEC 60332-1



10x O.D



Screened



Armoured

Instrument Cables

	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 :							
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)YRY , TiMFY

EN 50288-7 (500 V)

Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 0.5 mm² (7x0.30 mm)							
1x3x0.5	0.6	0.9	8.2	1.4	12.8	306	1000
2x3x0.5	0.6	0.9	13.4	1.5	18.2	496	1000
3x3x0.5	0.6	0.9	14.2	1.5	19.0	561	1000
4x3x0.5	0.6	1.25	15.7	1.6	21.4	772	1000
5x3x0.5	0.6	1.25	17.2	1.6	22.9	869	1000
6x3x0.5	0.6	1.25	18.9	1.6	24.6	967	500
7x3x0.5	0.6	1.25	18.9	1.6	24.6	1006	500
10x3x0.5	0.6	1.6	24.4	1.8	31.2	1527	500
12x3x0.5	0.6	1.6	25.3	1.8	32.1	1649	500
16x3x0.5	0.6	2	28.3	1.9	36.1	2201	500
20x3x0.5	0.6	2	32.2	2.0	40.2	2579	500
24x3x0.5	0.6	2.5	35.9	2.1	45.1	3341	500
30x3x0.5	0.6	2.5	38.2	2.2	47.6	3748	500
Conductor : 0.75 mm² (7x0.37 mm)							
1x3x0.75	0.6	0.9	8.6	1.4	13.2	326	1000
2x3x0.75	0.6	0.9	14.2	1.5	19.0	542	1000
3x3x0.75	0.6	0.9	15.2	1.5	20.0	617	1000
4x3x0.75	0.6	1.25	16.7	1.6	22.4	844	1000
5x3x0.75	0.6	1.25	18.4	1.6	24.1	953	1000
6x3x0.75	0.6	1.25	20.2	1.7	26.1	1083	500
7x3x0.75	0.6	1.25	20.2	1.7	26.1	1132	500
10x3x0.75	0.6	1.6	26.1	1.8	32.9	1698	500
12x3x0.75	0.6	1.6	27.1	1.8	33.9	1841	500
16x3x0.75	0.6	2	30.3	1.9	38.1	2464	500
20x3x0.75	0.6	2	34.5	2.0	42.5	2915	500
24x3x0.75	0.6	2.5	38.5	2.2	47.9	3759	500
30x3x0.75	0.6	2.5	40.9	2.2	50.3	4210	250

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

Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm² (7x0.43 mm)							
1x3x1	0.6	0.9	9.0	1.4	13.6	350	1000
2x3x1	0.6	0.9	14.9	1.5	19.7	578	1000
3x3x1	0.6	1.25	16.0	1.6	21.7	804	1000
4x3x1	0.6	1.25	17.6	1.6	23.3	912	1000
5x3x1	0.6	1.25	19.4	1.6	25.1	1041	500
6x3x1	0.6	1.25	21.3	1.7	27.2	1173	500
7x3x1	0.6	1.25	21.3	1.7	27.2	1231	500
10x3x1	0.6	1.6	27.6	1.8	34.4	1860	500
12x3x1	0.6	2	28.6	1.9	36.4	2282	500
16x3x1	0.6	2	32.4	2.0	40.4	2764	500
20x3x1	0.6	2.5	36.4	2.1	45.6	3623	500
24x3x1	0.6	2.5	40.7	2.2	50.1	4140	250
30x3x1	0.6	2.5	43.2	2.3	52.8	4672	250
Conductor : 1.5 mm² (7x0.53 mm)							
1x3x1.5	0.6	0.9	9.7	1.4	14.3	387	1000
2x3x1.5	0.6	1.25	16.2	1.6	21.9	787	1000
3x3x1.5	0.6	1.25	17.3	1.6	23.0	907	1000
4x3x1.5	0.6	1.25	19.1	1.6	24.8	1046	500
5x3x1.5	0.6	1.25	21.0	1.7	26.9	1207	500
6x3x1.5	0.6	1.6	23.1	1.8	29.9	1553	500
7x3x1.5	0.6	1.6	23.1	1.8	29.9	1631	500
10x3x1.5	0.6	2	30.0	1.9	37.8	2425	500
12x3x1.5	0.6	2	31.1	2.0	39.1	2662	500
16x3x1.5	0.6	2.5	35.3	2.1	44.5	3637	500
20x3x1.5	0.6	2.5	39.7	2.2	49.1	4231	500
24x3x1.5	0.6	3.15	44.7	2.4	55.8	5582	250
30x3x1.5	0.6	3.15	47.5	2.4	58.6	6222	250

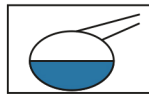
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)							
1x3x2.5	0.7	0.9	11.0	1.4	15.6	459	1000
2x3x2.5	0.7	1.25	18.7	1.6	24.4	952	1000
3x3x2.5	0.7	1.25	20.0	1.7	25.9	1122	500
4x3x2.5	0.7	1.6	22.1	1.7	28.7	1491	500
5x3x2.5	0.7	1.6	24.4	1.8	31.2	1712	500
6x3x2.5	0.7	1.6	26.9	1.8	33.7	1923	500
7x3x2.5	0.7	1.6	26.9	1.8	33.7	2037	500
10x3x2.5	0.7	2.5	35.5	2.1	44.7	3547	500
12x3x2.5	0.7	2.5	36.8	2.1	46.0	3835	500
16x3x2.5	0.7	2.5	41.2	2.2	50.6	4620	250
20x3x2.5	0.7	3.15	46.8	2.4	57.9	6178	250
24x3x2.5	0.7	3.15	52.2	2.5	63.5	7074	250
30x3x2.5	0.7	3.15	56.0	2.6	67.5	8093	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)HRH , TiMFH



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



Low smoke
Acc to IEC 61034