

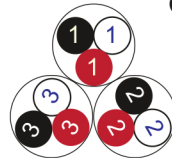
RE-2X(St)(L)2Y4YRY , TiMF

EN 50288-7 (500 V)

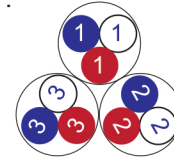


Conductor	Stranded (class 2) Plain annealed copper wires
-----------	--

Color Coding (Options) :

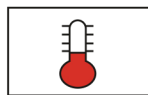


Black, White, Red (Numbered)



Blue, White, Red (Numbered)

Insulation	XLPE
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
Multi-Layer Sheath	Aluminium copolymer Tape Bonded to HDPE Sheath + Polyamide Extruded Layer
Armour	Galvanized Steel Wires
Outer Sheath	Extruded PVC



+90 °C



IEC 60332-1



10x O.D



Screened



Armoured

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 ²
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

RE-2X(St)(L)2Y4YRY , TiMF

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	12.3	1.4	16.9	466	1000
2x3x0.5	0.6	1.25	16.6	1.5	22.1	790	1000
3x3x0.5	0.6	1.25	17.3	1.6	23.0	864	1000
4x3x0.5	0.6	1.25	18.5	1.6	24.2	949	1000
5x3x0.5	0.6	1.25	19.8	1.6	25.5	1035	500
6x3x0.5	0.6	1.25	21.2	1.6	26.9	1123	500
7x3x0.5	0.6	1.25	21.2	1.6	26.9	1154	500
10x3x0.5	0.6	1.6	25.8	1.8	32.6	1676	500
12x3x0.5	0.6	1.6	26.5	1.8	33.3	1769	500
16x3x0.5	0.6	2	29.0	1.9	36.8	2293	500
20x3x0.5	0.6	2	31.9	1.9	39.7	2579	500
24x3x0.5	0.6	2.5	35.4	2.0	44.4	3354	500
30x3x0.5	0.6	2.5	37.3	2.1	46.5	3679	500
Conductor : 0.75 mm² (7x0.37 mm)							
1x3x0.75	0.6	0.9	12.8	1.4	17.4	495	1000
2x3x0.75	0.6	1.25	17.5	1.6	23.2	855	1000
3x3x0.75	0.6	1.25	18.3	1.6	24.0	931	1000
4x3x0.75	0.6	1.25	19.6	1.6	25.3	1026	500
5x3x0.75	0.6	1.25	21.0	1.6	26.7	1124	500
6x3x0.75	0.6	1.6	22.5	1.7	29.1	1413	500
7x3x0.75	0.6	1.6	22.5	1.7	29.1	1453	500
10x3x0.75	0.6	1.6	27.5	1.8	34.3	1852	500
12x3x0.75	0.6	2	28.3	1.8	35.9	2225	500
16x3x0.75	0.6	2	31.0	1.9	38.8	2557	500
20x3x0.75	0.6	2	34.6	2.0	42.6	2963	500
24x3x0.75	0.6	2.5	38.3	2.1	47.5	3793	500
30x3x0.75	0.6	2.5	40.4	2.2	49.8	4219	500

RE-2X(St)(L)2Y4YRY , TiMF

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	13.1	1.4	17.7	515	1000
2x3x1	0.6	1.25	18.2	1.6	23.9	905	1000
3x3x1	0.6	1.25	19.0	1.6	24.7	991	500
4x3x1	0.6	1.25	20.4	1.6	26.1	1097	500
5x3x1	0.6	1.6	22.0	1.7	28.6	1388	500
6x3x1	0.6	1.6	23.6	1.7	30.2	1518	500
7x3x1	0.6	1.6	23.6	1.7	30.2	1567	500
10x3x1	0.6	2	29.0	1.9	36.8	2283	500
12x3x1	0.6	2	29.8	1.9	37.6	2424	500
16x3x1	0.6	2	32.7	1.9	40.5	2781	500
20x3x1	0.6	2.5	36.5	2.1	45.7	3667	500
24x3x1	0.6	2.5	40.5	2.1	49.7	4169	500
30x3x1	0.6	2.5	42.7	2.2	52.1	4611	250
Conductor : 1.5 mm² (7x0.53 mm)							
1x3x1.5	0.6	0.9	13.8	1.5	18.6	563	1000
2x3x1.5	0.6	1.25	19.4	1.6	25.1	997	500
3x3x1.5	0.6	1.25	20.4	1.6	26.1	1101	500
4x3x1.5	0.6	1.6	21.9	1.7	28.5	1411	500
5x3x1.5	0.6	1.6	23.6	1.7	30.2	1560	500
6x3x1.5	0.6	1.6	25.4	1.8	32.2	1741	500
7x3x1.5	0.6	1.6	25.4	1.8	32.2	1807	500
10x3x1.5	0.6	2	31.4	1.9	39.2	2589	500
12x3x1.5	0.6	2	32.4	1.9	40.2	2793	500
16x3x1.5	0.6	2.5	36.0	2.1	45.2	3704	500
20x3x1.5	0.6	2.5	40.2	2.2	49.6	4300	500
24x3x1.5	0.6	3.15	44.2	2.3	55.1	5496	250
30x3x1.5	0.6	3.15	47.0	2.4	58.1	6212	250

RE-2X(St)(L)2Y4YRY , TiMF

EN 50288-7 (500 V)

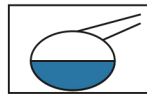
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)							
1x3x2.5	0.7	0.9	15.1	1.5	19.9	650	1000
2x3x2.5	0.7	1.6	21.9	1.7	28.5	1349	500
3x3x2.5	0.7	1.6	23.1	1.7	29.7	1504	500
4x3x2.5	0.7	1.6	25.0	1.8	31.8	1719	500
5x3x2.5	0.7	1.6	27.0	1.8	33.8	1926	500
6x3x2.5	0.7	2	29.2	1.9	37.0	2405	500
7x3x2.5	0.7	2	29.2	1.9	37.0	2503	500
10x3x2.5	0.7	2.5	36.8	2.1	46.0	3705	500
12x3x2.5	0.7	2.5	38.4	2.1	47.6	4035	500
16x3x2.5	0.7	2.5	42.3	2.2	51.7	4743	250
20x3x2.5	0.7	3.15	47.3	2.4	58.4	6228	250
24x3x2.5	0.7	3.15	52.5	2.5	63.8	7125	250
30x3x2.5	0.7	3.15	55.5	2.6	67.0	8013	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)(L)2Y4YRH



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



Low smoke
Acc to IEC 61034