

RE-2X(St)YBY , TiMF



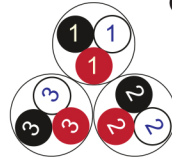
Fire Resistant

EN 50288-7 (500 V)

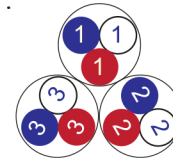


Conductor	Stranded (class 2) Plain annealed copper wires
-----------	--

Color Coding (Options) :

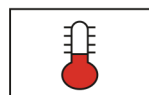


Black, White, Red (Numbered)



Blue, White, Red (Numbered)

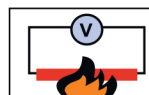
Insulation	Mica-glass Tape + XLPE
Cable Unit	Triple (Multi-Triple Cable)
Individual Element Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape + Polyester Tape
Collective (Overall) Screen	Polyester tape + Drain wire (Tinned copper) + Al.Polyester Tape
Inner Covering (Bedding)	Extruded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



+90 °C



IEC 60332-1



IEC 60331



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

Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 0.5 mm ² (7x0.30 mm)							
1x3x0.5	0.6	0.2	8.2	1.3	11.6	197	1000
2x3x0.5	0.6	0.2	13.4	1.4	17.0	331	1000
3x3x0.5	0.6	0.2	14.3	1.4	17.9	384	1000
4x3x0.5	0.6	0.2	15.8	1.5	19.6	455	1000
5x3x0.5	0.6	0.2	17.3	1.5	21.1	520	1000
6x3x0.5	0.6	0.2	19.0	1.5	22.8	588	1000
7x3x0.5	0.6	0.2	19.0	1.5	22.8	626	1000
10x3x0.5	0.6	0.2	24.6	1.7	28.8	859	500
12x3x0.5	0.6	0.2	25.5	1.7	29.7	951	500
16x3x0.5	0.6	0.2	28.5	1.7	32.7	1159	500
20x3x0.5	0.6	0.2	32.0	1.8	36.4	1388	500
24x3x0.5	0.6	0.2	36.1	1.9	40.7	1664	500
30x3x0.5	0.6	0.2	38.4	1.9	43.0	1937	500
Conductor : 0.75 mm ² (7x0.37 mm)							
1x3x0.75	0.6	0.2	8.7	1.3	12.1	215	1000
2x3x0.75	0.6	0.2	14.3	1.4	17.9	365	1000
3x3x0.75	0.6	0.2	15.2	1.5	19.0	437	1000
4x3x0.75	0.6	0.2	16.8	1.5	20.6	512	1000
5x3x0.75	0.6	0.2	18.5	1.5	22.3	589	1000
6x3x0.75	0.6	0.2	20.3	1.6	24.3	678	1000
7x3x0.75	0.6	0.2	20.3	1.6	24.3	725	1000
10x3x0.75	0.6	0.2	26.3	1.7	30.5	987	500
12x3x0.75	0.6	0.2	27.2	1.7	31.4	1099	500
16x3x0.75	0.6	0.2	30.5	1.8	34.9	1362	500
20x3x0.75	0.6	0.2	34.3	1.9	38.9	1636	500
24x3x0.75	0.6	0.2	38.7	2.0	43.5	1960	500
30x3x0.75	0.6	0.5	41.1	2.0	47.1	2786	500

RE-2X(St)YBY , TiMF



Fire Resistant

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	0.2	9.1	1.3	12.5	230	1000
2x3x1	0.6	0.2	15.0	1.5	18.8	403	1000
3x3x1	0.6	0.2	16.0	1.5	19.8	477	1000
4x3x1	0.6	0.2	17.7	1.5	21.5	563	1000
5x3x1	0.6	0.2	19.5	1.5	23.3	651	1000
6x3x1	0.6	0.2	21.4	1.6	25.4	751	500
7x3x1	0.6	0.2	21.4	1.6	25.4	808	500
10x3x1	0.6	0.2	27.7	1.7	31.9	1104	500
12x3x1	0.6	0.2	28.8	1.7	33.0	1236	500
16x3x1	0.6	0.2	32.2	1.8	36.6	1539	500
20x3x1	0.6	0.2	36.6	1.9	41.2	1895	500
24x3x1	0.6	0.5	40.9	2.0	46.9	2711	500
30x3x1	0.6	0.5	43.5	2.1	49.7	3151	500
Conductor : 1.5 mm² (7x0.53 mm)							
1x3x1.5	0.6	0.2	9.7	1.4	13.3	266	1000
2x3x1.5	0.6	0.2	16.2	1.5	20.0	462	1000
3x3x1.5	0.6	0.2	17.3	1.5	21.1	556	1000
4x3x1.5	0.6	0.2	19.2	1.6	23.2	672	1000
5x3x1.5	0.6	0.2	21.1	1.6	25.1	782	500
6x3x1.5	0.6	0.2	23.2	1.6	27.2	895	500
7x3x1.5	0.6	0.2	23.2	1.6	27.2	969	500
10x3x1.5	0.6	0.2	30.2	1.8	34.6	1345	500
12x3x1.5	0.6	0.2	31.3	1.8	35.7	1515	500
16x3x1.5	0.6	0.2	35.4	1.9	40.0	1937	500
20x3x1.5	0.6	0.5	39.8	2.0	45.8	2817	500
24x3x1.5	0.6	0.5	44.5	2.1	50.7	3282	250
30x3x1.5	0.6	0.5	47.4	2.2	53.8	3840	250

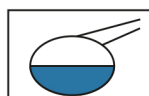
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm ²	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm ² (7x0.67 mm)							
1x3x2.5	0.7	0.2	11.1	1.4	14.7	325	1000
2x3x2.5	0.7	0.2	18.7	1.6	22.7	587	1000
3x3x2.5	0.7	0.2	20.1	1.6	24.1	719	1000
4x3x2.5	0.7	0.2	22.2	1.6	26.2	867	500
5x3x2.5	0.7	0.2	24.5	1.7	28.7	1029	500
6x3x2.5	0.7	0.2	27.0	1.7	31.2	1183	500
7x3x2.5	0.7	0.2	27.0	1.7	31.2	1292	500
10x3x2.5	0.7	0.2	35.6	1.9	40.2	1840	500
12x3x2.5	0.7	0.2	36.9	2.0	41.7	2099	500
16x3x2.5	0.7	0.5	41.4	2.1	47.6	3137	500
20x3x2.5	0.7	0.5	46.9	2.2	53.3	3813	250
24x3x2.5	0.7	0.5	52.5	2.3	59.1	4454	250
30x3x2.5	0.7	0.5	55.8	2.4	62.6	5242	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)HBH



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



Low smoke
Acc to IEC 61034