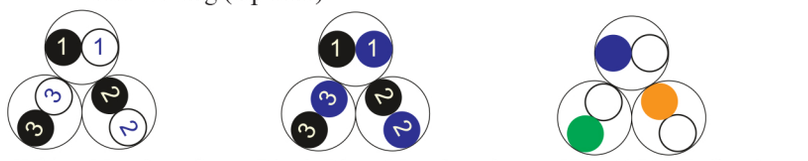
RE-2X(St)(L)2Y4YRY , PiMF
EN 50288-7 (500 V)

Conductor	Stranded (class 2) Plain annealed copper wires
Color Coding (Options) :	
Insulation	XLPE
Cable Unit	Pair (Multi-Pair 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



	Criteria	Standard Values					Unit
Conductor cross section	Nominal	0.5	0.75	1	1.5	2.5	mm²
Conductor DC Resistance @ 20ºC	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 / core to screen	for 1 minute	2.0 kV A.C or 3.0 kV D.C					K.V
Operating voltage U(rms)		500					V

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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 mm^2 (7x0.30 mm)							
1x2x0.5	0.6	0.9	12.0	1.4	16.6	447	1000
2x2x0.5	0.6	0.9	15.5	1.5	20.3	607	1000
3x2x0.5	0.6	1.25	16.2	1.5	21.7	779	1000
4x2x0.5	0.6	1.25	17.2	1.6	22.9	862	1000
5x2x0.5	0.6	1.25	18.4	1.6	24.1	927	1000
6x2x0.5	0.6	1.25	19.6	1.6	25.3	1004	500
7x2x0.5	0.6	1.25	19.6	1.6	25.3	1027	500
10x2x0.5	0.6	1.6	23.6	1.7	30.2	1476	500
12x2x0.5	0.6	1.6	24.3	1.7	30.9	1552	500
16x2x0.5	0.6	1.6	26.5	1.8	33.3	1766	500
20x2x0.5	0.6	2	29.0	1.9	36.8	2261	500
24x2x0.5	0.6	2	31.7	1.9	39.5	2513	500
30x2x0.5	0.6	2	33.4	2.0	41.4	2753	500
Conductor : 0.75 mm^2 (7x0.37 mm)							
1x2x0.75	0.6	0.9	12.4	1.4	17.0	472	1000
2x2x0.75	0.6	1.25	16.3	1.5	21.8	771	1000
3x2x0.75	0.6	1.25	17.0	1.5	22.5	834	1000
4x2x0.75	0.6	1.25	18.1	1.6	23.8	925	1000
5x2x0.75	0.6	1.25	19.4	1.6	25.1	1009	500
6x2x0.75	0.6	1.25	20.7	1.6	26.4	1095	500
7x2x0.75	0.6	1.25	20.7	1.6	26.4	1124	500
10x2x0.75	0.6	1.6	25.1	1.8	31.9	1614	500
12x2x0.75	0.6	1.6	25.8	1.8	32.6	1720	500
16x2x0.75	0.6	2	28.2	1.8	35.8	2212	500
20x2x0.75	0.6	2	31.0	1.9	38.8	2504	500
24x2x0.75	0.6	2	34.4	2.0	42.4	2862	500
30x2x0.75	0.6	2.5	36.2	2.1	45.4	3567	500

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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 mm^2 (7x0.43 mm)							
1x2x1	0.6	0.9	12.7	1.4	17.3	489	1000
2x2x1	0.6	1.25	16.9	1.5	22.4	814	1000
3x2x1	0.6	1.25	17.7	1.6	23.4	893	1000
4x2x1	0.6	1.25	18.9	1.6	24.6	983	500
5x2x1	0.6	1.25	20.2	1.6	25.9	1074	500
6x2x1	0.6	1.6	21.6	1.7	28.2	1350	500
7x2x1	0.6	1.6	21.6	1.7	28.2	1385	500
10x2x1	0.6	1.6	26.4	1.8	33.2	1746	500
12x2x1	0.6	1.6	27.2	1.8	34.0	1848	500
16x2x1	0.6	2	29.7	1.9	37.5	2400	500
20x2x1	0.6	2	32.7	1.9	40.5	2705	500
24x2x1	0.6	2.5	36.3	2.0	45.3	3516	500
30x2x1	0.6	2.5	38.2	2.1	47.4	3867	500
Conductor : 1.5 mm^2 (7x0.53 mm)							
1x2x1.5	0.6	0.9	13.3	1.4	17.9	523	1000
2x2x1.5	0.6	1.25	18.0	1.6	23.7	890	1000
3x2x1.5	0.6	1.25	18.8	1.6	24.5	973	500
4x2x1.5	0.6	1.25	20.2	1.6	25.9	1087	500
5x2x1.5	0.6	1.6	21.7	1.7	28.3	1376	500
6x2x1.5	0.6	1.6	23.2	1.7	29.8	1505	500
7x2x1.5	0.6	1.6	23.2	1.7	29.8	1551	500
10x2x1.5	0.6	2	28.5	1.9	36.3	2235	500
12x2x1.5	0.6	2	29.4	1.9	37.2	2372	500
16x2x1.5	0.6	2	32.2	1.9	40.0	2722	500
20x2x1.5	0.6	2.5	36.0	2.1	45.2	3585	500
24x2x1.5	0.6	2.5	39.9	2.1	49.1	4079	500
30x2x1.5	0.6	2.5	42.1	2.2	51.5	4550	250

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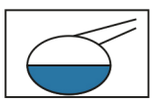
Nominal cross section area of conductor	Insulation thickness	Armour Wire Diameter	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm^2 (7x0.67 mm)							
1x2x2.5	0.7	0.9	14.6	1.5	19.4	599	1000
2x2x2.5	0.7	1.25	20.2	1.6	25.9	1041	500
3x2x2.5	0.7	1.25	21.2	1.7	27.1	1161	500
4x2x2.5	0.7	1.6	22.9	1.7	29.5	1479	500
5x2x2.5	0.7	1.6	24.6	1.8	31.4	1646	500
6x2x2.5	0.7	1.6	26.6	1.8	33.4	1821	500
7x2x2.5	0.7	1.6	26.6	1.8	33.4	1889	500
10x2x2.5	0.7	2	33.3	2.0	41.3	2786	500
12x2x2.5	0.7	2	34.4	2.0	42.4	2999	500
16x2x2.5	0.7	2.5	38.2	2.1	47.4	3949	500
20x2x2.5	0.7	2.5	42.2	2.2	51.6	4540	250
24x2x2.5	0.7	3.15	46.9	2.4	58.0	5899	250
30x2x2.5	0.7	3.15	49.5	2.4	60.6	6507	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