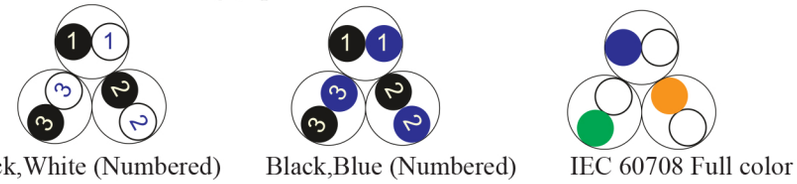
RE-Y(St)YBY , PiMF

EN 50288-7 (500 V)

Conductor	Stranded (class 2) Plain annealed copper wires
Color Coding (Options) :	
Insulation	PVC
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
Inner Covering (Bedding)	Extruded PVC
Armour	Galvanized Steel Tapes
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.			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 / 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 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)							
1x2x0.5	0.6	0.2	6.8	1.3	10.2	164	1000
2x2x0.5	0.6	0.2	10.4	1.4	14.0	257	1000
3x2x0.5	0.6	0.2	11.0	1.4	14.6	295	1000
4x2x0.5	0.6	0.2	12.1	1.4	15.7	339	1000
5x2x0.5	0.6	0.2	13.2	1.4	16.8	385	1000
6x2x0.5	0.6	0.2	14.4	1.5	18.2	440	1000
7x2x0.5	0.6	0.2	14.4	1.5	18.2	466	1000
10x2x0.5	0.6	0.2	18.5	1.6	22.5	626	1000
12x2x0.5	0.6	0.2	19.2	1.6	23.2	690	1000
16x2x0.5	0.6	0.2	21.3	1.6	25.3	834	500
20x2x0.5	0.6	0.2	23.9	1.7	28.1	996	500
24x2x0.5	0.6	0.2	26.6	1.7	30.8	1151	500
30x2x0.5	0.6	0.2	28.3	1.8	32.7	1350	500
Conductor : 0.75 mm^2 (7x0.37 mm)							
1x2x0.75	0.6	0.2	7.3	1.3	10.7	178	1000
2x2x0.75	0.6	0.2	11.1	1.4	14.7	284	1000
3x2x0.75	0.6	0.2	11.9	1.4	15.5	329	1000
4x2x0.75	0.6	0.2	13.0	1.4	16.6	382	1000
5x2x0.75	0.6	0.2	14.2	1.5	18.0	444	1000
6x2x0.75	0.6	0.2	15.6	1.5	19.4	501	1000
7x2x0.75	0.6	0.2	15.6	1.5	19.4	533	1000
10x2x0.75	0.6	0.2	20.0	1.6	24.0	721	1000
12x2x0.75	0.6	0.2	20.7	1.6	24.7	798	500
16x2x0.75	0.6	0.2	23.1	1.7	27.3	983	500
20x2x0.75	0.6	0.2	25.9	1.7	30.1	1166	500
24x2x0.75	0.6	0.2	28.9	1.8	33.3	1365	500
30x2x0.75	0.6	0.2	30.7	1.8	35.1	1594	500

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mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 1.0 mm^2 (7x0.43 mm)							
1x2x1	0.6	0.2	7.6	1.3	11.0	190	1000
2x2x1	0.6	0.2	11.8	1.4	15.4	307	1000
3x2x1	0.6	0.2	12.5	1.4	16.1	360	1000
4x2x1	0.6	0.2	13.8	1.4	17.4	420	1000
5x2x1	0.6	0.2	15.1	1.5	18.9	490	1000
6x2x1	0.6	0.2	16.5	1.5	20.3	555	1000
7x2x1	0.6	0.2	16.5	1.5	20.3	593	1000
10x2x1	0.6	0.2	21.3	1.6	25.3	806	500
12x2x1	0.6	0.2	22.0	1.6	26.0	897	500
16x2x1	0.6	0.2	24.6	1.7	28.8	1111	500
20x2x1	0.6	0.2	27.6	1.8	32.0	1335	500
24x2x1	0.6	0.2	30.8	1.8	35.2	1551	500
30x2x1	0.6	0.2	32.7	1.9	37.3	1835	500
Conductor : 1.5 mm^2 (7x0.53 mm)							
1x2x1.5	0.6	0.2	8.2	1.3	11.6	214	1000
2x2x1.5	0.6	0.2	12.8	1.4	16.4	352	1000
3x2x1.5	0.6	0.2	13.7	1.5	17.5	426	1000
4x2x1.5	0.6	0.2	15.1	1.5	18.9	502	1000
5x2x1.5	0.6	0.2	16.5	1.5	20.3	580	1000
6x2x1.5	0.6	0.2	18.1	1.6	22.1	669	1000
7x2x1.5	0.6	0.2	18.1	1.6	22.1	720	1000
10x2x1.5	0.6	0.2	23.4	1.7	27.6	983	500
12x2x1.5	0.6	0.2	24.3	1.7	28.5	1101	500
16x2x1.5	0.6	0.2	27.1	1.8	31.5	1372	500
20x2x1.5	0.6	0.2	30.4	1.8	34.8	1641	500
24x2x1.5	0.6	0.2	34.4	1.9	39.0	1966	500
30x2x1.5	0.6	0.5	36.5	2.0	42.5	2774	500

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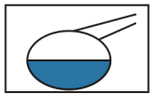
Nominal cross section area of conductor	Insulation thickness	Armour Tape Thickness	Diameter Under Armour	Sheath thickness	Overall Diameter	Weight	Standard Packing Length
mm^2	mm	mm	mm	mm	mm	Kg/Km	meter
Conductor : 2.5 mm^2 (7x0.67 mm)							
1x2x2.5	0.7	0.2	9.5	1.4	13.1	266	1000
2x2x2.5	0.7	0.2	15.1	1.5	18.9	450	1000
3x2x2.5	0.7	0.2	16.1	1.5	19.9	544	1000
4x2x2.5	0.7	0.2	17.7	1.6	21.7	658	1000
5x2x2.5	0.7	0.2	19.5	1.6	23.5	767	1000
6x2x2.5	0.7	0.2	21.4	1.6	25.4	879	500
7x2x2.5	0.7	0.2	21.4	1.6	25.4	954	500
10x2x2.5	0.7	0.2	27.8	1.8	32.2	1325	500
12x2x2.5	0.7	0.2	28.8	1.8	33.2	1496	500
16x2x2.5	0.7	0.2	32.7	1.9	37.3	1915	500
20x2x2.5	0.7	0.5	36.7	2.0	42.7	2759	500
24x2x2.5	0.7	0.5	41.0	2.1	47.2	3218	500
30x2x2.5	0.7	0.5	43.6	2.2	50.0	3776	250

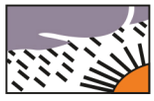
Additional Options (by request)

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