

Copper Conductor XLPE Insulated Building Wire

Cu/XLPE 0.6/1 kV (N2XA)



Specification :
SNI IEC 60502-1 : 2009
IEC 60502-1 : 2004

Construction:

Conductor

Annealed plain copper round solid or round circular stranded according to SNI IEC 60228, SPLN 41-1

Insulation

Extruded layer of Cross-Linked Polyethylene (XLPE) complied with SNI IEC 60502 - 1 ; SPLN 41-9

Colour : - Natural or
- Light Blue or
- Black or
- Other Colour



Applications :

For Installations as underground, outdoor, indoor, in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

Note : [re] Round solid conductor
[rm] Circular stranded conductor

Packing : [C] Coil
[D] Drum

Special Features on Request :

- Fire Resistance • Flame Retardant Cat. A/B/C • Oil Resistance
- UV Resistance • Anti termite • Anti rodent • Low Smoke
- Zero Halogen

No. of cores and cross-section area	Nominal thickness	Overall Diameter (approx)	Weight of cable (approx)	DC. Resistance at 20 °C	Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec	Standard Delivery length
	Insulation			Insulation Min	In PIPE	In AIR		
sq.mm	mm	mm	Kg/Km	M.Ω.km	A	A	kA	m
1 x 1.5 re	0.7	3.0	18	1,121	17	27	0.26	100 / coil
1 x 1.5 rm	0.7	3.0	19	1,020	17	27	0.26	100 / coil
1 x 2.5 re	0.7	3.2	28	940	23	37	0.41	100 / coil
1 x 2.5 rm	0.7	3.5	29	842	23	37	0.41	100 / coil
1 x 4 re	0.7	3.7	42	784	29	49	0.64	100 / coil
1 x 4 rm	0.7	4.0	44	704	29	49	0.64	100 / coil
1 x 6 re	0.7	4.2	61	667	36	62	0.93	100 / coil
1 x 6 rm	0.7	4.6	63	590	36	62	0.93	100 / coil
1 x 10 re	0.7	5.0	99	538	52	85	1.53	100 / coil
1 x 10 rm	0.7	5.5	103	473	52	85	1.53	100 / coil
1 x 16 rm	0.7	6.6	159	392	70	112	2.41	1,000
1 x 25 rm	0.9	8.3	253	400	95	161	3.37	1,000
1 x 35 rm	0.9	9.5	346	348	119	182	5.18	1,000
1 x 50 rm	1.0	11	462	326	151	226	7.36	1,000
1 x 70 rm	1.1	13	664	303	190	283	10.26	1,000
1 x 95 rm	1.1	15	912	262	227	336	13.88	1,000
1 x 120 rm	1.2	17	1,147	254	271	396	17.49	1,000
1 x 150 rm	1.4	19	1,413	266	-	449	21.81	1,000
1 x 185 rm	1.6	21	1,775	271	-	514	26.86	1,000
1 x 240 rm	1.7	24	2,332	252	-	607	34.78	1,000
1 x 300 rm	1.8	27	2,904	240	-	669	43.41	1,000
1 x 400 rm	2.0	30	3,710	235	-	831	57.79	500
1 x 500 rm	2.2	34	4,673	228	-	950	72.16	500