

Copper Conductor PVC Insulated, Copper Tape Screened & PVC Sheathed Power Cable

Cu/PVC/CTS/PVC 0.6/1 kV (NYSY)

Specification :
SNI IEC 60502-1 : 2009



Constructions:

Conductor

Annealed plain copper round solid or round circular stranded according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI IEC 60502-1

Colour :

- Light Blue, Brown



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Helically copper tape screened with nominal thickness 0.1 mm

Outer Sheath

The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC) Grade ST1 to SNI IEC 60502-1. Black colour.

Applications:

For indoor installation, outdoor, in power and switching stations. As underground cable, for difficult installation where the low weight is particularly advantageous

Special Features on Request :

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

Note : [re] Round solid conductor

[rm] Circular stranded conductor

Packing : [D] Drum

No. of Cores and Cross Section	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second	Standard Delivery Length
	Insulation	Outer Sheath				In Ground	In Air		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
2 x 1.5 re	0.8	1.8	12.1	218	12	27	21	0.17	1000/D
2 x 1.5 rm	0.8	1.8	12.4	231	11	27	21	0.17	1000/D
2 x 2.5 re	0.8	1.8	12.8	263	10	36	29	0.29	1000/D
2 x 2.5 rm	0.8	1.8	13.4	280	9	36	29	0.29	1000/D
2 x 4 re	1.0	1.8	14.5	348	10	47	38	0.46	1000/D
2 x 4 rm	1.0	1.8	15.2	369	9	47	38	0.46	1000/D
2 x 6 re	1.0	1.8	16.5	417	9	59	48	0.69	1000/D
2 x 6 rm	1.0	1.8	18.1	445	8	59	48	0.69	1000/D
2 x 10 re	1.0	1.8	19.8	569	7	78	66	1.15	1000/D
2 x 10 rm	1.0	1.8	20.2	582	6	78	66	1.15	1000/D
2 x 16 rm	1.0	1.8	23.6	771	5	102	90	1.84	1000/D
2 x 25 rm	1.2	1.8	25.8	1095	5	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	29.2	1368	4	180	150	4.03	1000/D
2 x 50 rm	1.4	1.9	32.7	1748	4	210	180	5.75	1000/D
2 x 70 rm	1.4	2.0	38.4	2336	4	260	230	8.05	1000/D
2 x 95 rm	1.6	2.2	41.6	3159	4	315	280	10.93	1000/D
2 x 120 rm	1.6	2.3	45.5	3807	3	320	320	13.80	1000/D
2 x 150 rm	1.8	2.4	50.6	4647	3	355	375	17.25	1000/D
2x 185 rm	2.0	2.6	53.5	5756	3	409	430	21.28	1000/D
2 x 240 rm	2.2	2.8	57.3	7366	3	472	510	27.60	1000/D
2 x 300 rm	2.4	3.0	63.3	9117	3	525	590	34.50	1000/D

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Colour :

- Yellow Strip Green, Light Blue and Brown
- Brown, Black And Grey



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The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC) Grade ST1 to SNI IEC 60502-1. Black colour.

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Note : [re] Round solid conductor
[rm] Circular stranded conductor
[Sm] Sector shape conductorPacking

Packing : [D] Drum

No. of Cores and Cross Section	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second	Standard Delivery Length
	Insulation	Outer Sheath				In Ground	In Air		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
3 x 1.5 re	0.8	1.8	12.4	246	12	24	18	0.17	1000/D
3 x 1.5 rm	0.8	1.8	12.9	262	11	24	18	0.17	1000/D
3 x 2.5 re	0.8	1.8	13.3	296	10	32	25	0.29	1000/D
3 x 2.5 rm	0.8	1.8	13.9	323	9	32	25	0.29	1000/D
3 x 4 re	10	1.8	15.3	398	10	41	34	0.46	1000/D
3 x 4 rm	10	1.8	15.8	432	9	41	34	0.46	1000/D
3 x 6 re	10	1.8	16.4	492	9	52	44	0.69	1000/D
3 x 6 rm	10	1.8	17.2	524	8	52	44	0.69	1000/D
3 x 10 re	10	1.8	18.7	681	7	69	60	1.15	1000/D
3 x 10 rm	10	1.8	19.1	698	6	69	60	1.15	1000/D
3 x 16 rm	10	1.8	21.4	940	5	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	24.7	1359	5	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	27.5	1720	4	138	130	4.03	1000/D
3 x 50 sm	1.4	1.9	28.7	2018	4	165	160	4.75	1000/D
3 x 70 sm	1.4	2.0	30.2	2671	4	205	200	8.05	1000/D
3 x 95 sm	1.6	2.2	34.6	3641	4	245	245	10.93	1000/D
3 x 120 sm	1.6	2.3	37.8	4478	3	285	285	13.80	1000/D
3 x 150 sm	1.8	2.4	41.3	5486	3	315	325	17.25	500/D
3 x 185 sm	2.0	2.6	45.6	6693	3	355	370	21.28	500/D
3 x 240 sm	2.2	2.8	51.2	8727	3	415	435	27.60	500/D
3 x 300 sm	2.4	3.0	57.2	10869	3	465	500	34.50	500/D

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Shield

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[Sm] Sector shape conductor

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No. of Cores and Cross Section	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second	Standard Delivery Length
	Insulation	Outer Sheath				In Ground	In Air		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
4 x 1.5 re	0.8	1.8	13.1	281	12	24	18	0.17	1000/D
4 x 1.5 rm	0.8	1.8	13.4	296	11	24	18	0.17	1000/D
4 x 2.5 rm	0.8	1.8	14.2	348	10	32	25	0.29	1000/D
4 x 2.5 rm	0.8	1.8	14.8	373	9	32	25	0.29	1000/D
4 x 4 re	1.0	1.8	16.3	470	10	41	34	0.46	1000/D
4 x 4 rm	1.0	1.8	17.1	509	9	41	34	0.46	1000/D
4 x 6 re	1.0	1.8	17.6	585	9	52	44	0.69	1000/D
4 x 6 rm	1.0	1.8	18.5	627	8	52	44	0.69	1000/D
4 x 10 re	1.0	1.8	20	825	7	69	60	1.15	1000/D
4 x 10 rm	1.0	1.8	20.4	847	6	69	60	1.15	1000/D
4 x 16 rm	1.0	1.8	23.1	1158	5	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	27.2	1683	5	116	105	2.88	1000/D
4 x 35 rm	1.2	1.9	30.2	2452	4	138	130	4.03	1000/D
4 x 50 sm	1.4	2.0	31.8	2640	4	165	160	5.75	1000/D
4 x 70 sm	1.4	2.1	35.7	3519	4	205	200	8.05	1000/D
4 x 95 sm	1.6	2.3	40.8	4717	4	245	245	10.93	1000/D
4 x 120 sm	1.6	2.4	44.6	5879	3	285	285	13.80	1000/D
4 x 150 sm	1.8	2.6	48.1	7135	3	315	325	17.25	500/D
4 x 185 sm	2.0	2.8	53.8	8847	3	355	370	21.28	500/D
4 x 240 sm	2.2	3.0	60.4	11363	3	415	435	27.60	500/D
4 x 300 sm	2.4	3.2	66.8	13858	3	465	500	34.50	500/D

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Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Helically copper tape screened with nominal thickness 0.1 mm

Outer Sheath

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Applications:

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Special Features on Request :

- Fire Resistance • Flame Retardant Cat. A/B/C • Oil Resistance
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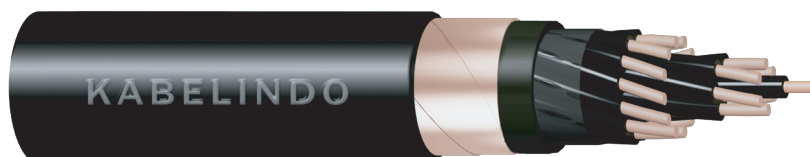
Packing : [D] Drum

No. of Cores and Cross Section	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second	Standard Delivery Length
	Insulation	Outer Sheath				In Ground	In Air		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
5 x 1.5 re	0.8	1.8	14.2	327	12	24	18	0.17	1000/D
5 x 1.5 rm	0.8	1.8	14.7	345	11	24	18	0.17	1000/D
5 x 2.5 re	0.8	1.8	15.5	408	10	32	25	0.29	1000/D
5 x 2.5 rm	0.8	1.8	16.2	435	9	32	25	0.29	1000/D
5 x 4 re	1.0	1.8	17.4	564	10	41	34	0.46	1000/D
5 x 4 rm	1.0	1.8	18.5	606	9	41	34	0.46	1000/D
5 x 6 re	1.0	1.8	18.9	708	9	52	44	0.69	1000/D
5 x 6 rm	1.0	1.8	19.8	761	8	52	44	0.69	1000/D
5 x 10 re	1.0	1.8	22	1005	7	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	22.4	1036	6	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	25.2	1415	5	89	80	1.84	1000/D
5 x 25 rm	1.2	1.8	29.7	2079	5	116	105	2.88	1000/D
5 x 35 rm	1.2	1.8	32.6	2685	4	138	130	4.03	1000/D
5 x 50 rm	1.4	1.9	37.8	3497	4	165	160	5.75	1000/D

Copper Conductor PVC Insulated, Copper Tape Screened & PVC Sheathed Control Cable

Cu/PVC/CTS/PVC 0.6/1 kV (NYSY)

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Constructions:

Conductor

Annealed plain copper round solid or round circular stranded according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI IEC 60502-1

Colour :

-Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Helically copper tape screened with nominal thickness 0.1 mm

Outer Sheath

The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC) Grade ST1 to SNI IEC 60502-1. Black colour.

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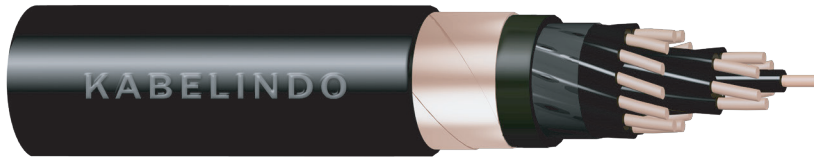
Note : [re] Round solid conductor
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Packing : [D] Drum

No. of Cores and Cross Section	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second	Standard Delivery Length
	Insulation	Outer Sheath				In Ground	In Air		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
7 x 1.5 re	0.8	1.8	14.9	357	12	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	15.5	372	11	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	16.1	394	12	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	16.5	418	11	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	18.2	475	12	15	11	0.17	1000/D
10 x 1.5 rm	0.8	1.8	18.6	496	11	15	11	0.17	1000/D
12 x 1.5 re	0.8	1.8	18.7	518	12	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	19.2	545	11	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	19.4	586	12	13	10	0.17	1000/D
14 x 1.5 rm	0.8	1.8	20.2	613	11	13	10	0.17	1000/D
16 x 1.5 re	0.8	1.8	20.4	642	12	12	10	0.17	1000/D
16 x 21.5 rm	0.8	1.8	20.8	675	11	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	21.2	718	12	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	21.8	757	11	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	22.2	778	12	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	22.8	820	11	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.8	23.8	872	12	11	8	0.17	1000/D
24 x 1.5 rm	0.8	1.8	25	928	11	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	25.3	1026	12	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	26.7	1085	11	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.8	27.6	1288	12	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.8	29.4	1356	11	11	8	0.17	1000/D
52 x 1.5 re	0.8	1.9	31.8	1656	12	11	8	0.17	1000/D
52 x 1.5 rm	0.8	1.9	33.4	1752	11	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.0	33.7	1893	12	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.0	35.2	1990	11	11	8	0.17	1000/D

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sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
7 x 2.5 re	0.8	1.8	15.8	458	10	23	18	0.29	1000/D
7 x 2.5 rm	0.8	1.8	16.6	486	9	23	18	0.29	1000/D
8 x 2.5 re	0.8	1.8	17.1	509	10	21	17	0.29	1000/D
8 x 2.5 rm	0.8	1.8	18.3	545	9	21	17	0.29	1000/D
10 x 2.5 re	0.8	1.8	19.3	617	10	20	16	0.29	1000/D
10 x 2.5 rm	0.8	1.8	20.5	656	9	20	16	0.29	1000/D
12 x 2.5 re	0.8	1.8	20.7	682	10	18	15	0.29	1000/D
12 x 2.5 rm	0.8	1.8	21.5	732	9	18	15	0.29	1000/D
14 x 2.5 re	0.8	1.8	21.8	775	10	17	14	0.29	1000/D
14 x 2.5 rm	0.8	1.8	22.5	826	9	17	14	0.29	1000/D
16 x 2.5 re	0.8	1.8	22.6	854	10	17	13	0.29	1000/D
16 x 2.5 rm	0.8	1.8	23.4	917	9	17	13	0.29	1000/D
19 x 2.5 re	0.8	1.8	23.6	962	10	16	13	0.29	1000/D
19 x 2.5 rm	0.8	1.8	24.8	1027	9	16	13	0.29	1000/D
21 x 2.5 re	0.8	1.8	25.1	1055	10	15	12	0.29	1000/D
21 x 2.5 rm	0.8	1.8	25.8	1136	9	15	12	0.29	1000/D
24 x 2.5 re	0.8	1.8	26.2	1210	10	14	11	0.29	1000/D
24 x 2.5 rm	0.8	1.8	26.8	1292	9	14	11	0.29	1000/D
30 x 2.5 re	0.8	1.9	28.3	1426	10	14	11	0.29	1000/D
30 x 2.5 rm	0.8	1.9	30.2	1535	9	14	11	0.29	1000/D
40 x 2.5 re	0.8	2.0	31.7	1840	10	14	11	0.29	1000/D
40 x 2.5 rm	0.8	2.0	33.5	1973	9	14	11	0.29	1000/D
52 x 2.5 re	0.8	2.1	37.4	2358	10	14	11	0.29	1000/D
52 x 2.5 rm	0.8	2.1	38.6	2534	9	14	11	0.29	1000/D
61 x 2.5 re	0.8	2.1	40.6	2701	10	14	11	0.29	1000/D
61 x 2.5 rm	0.8	2.1	41.4	2895	9	14	11	0.29	1000/D