

Copper Conductor PVC Insulated and PVC Sheathed non Armoured Power Cable

Cu/PVC/PVC 0.6/1 kV (NYY)



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



Outer Sheath

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

Applications:





Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage.

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 area	Nominal thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min Insulation DC. Resistance at 20°C	Current Carrying Capacity @ 30°C				Short Circuit Current Capacity at 1.0 Second	Standard Delivery Length
	Insulation	Outer Sheath				In Air		In Ground			
											
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	A	A	kA	m
1 x 1.5 re	0.8	1.4	5.8	50	50	21	27	27	27	0.17	1000/D
1 x 1.5 rm	0.8	1.4	6	52	50	21	24	27	27	0.17	1000/D
1 x 2.5 re	0.8	1.4	6.2	63	50	28	27	35	35	0.29	1000/D
1 x 2.5 rm	0.8	1.4	6.5	67	50	28	27	35	35	0.29	1000/D
1 x 4 re	1.0	1.4	7.1	87	50	38	37	45	46	0.46	1000/D
1 x 4 rm	1.0	1.4	7.4	92	50	38	37	45	46	0.46	1000/D
1 x 6 re	1.0	1.4	7.6	110	50	48	46	57	57	0.69	1000/D
1 x 6 rm	1.0	1.4	8	117	50	48	46	57	57	0.69	1000/D
1 x 10 re	1.0	1.4	8.5	157	50	65	64	76	76	1.15	1000/D
1 x 10 rm	1.0	1.4	8.8	163	50	65	64	76	76	1.15	1000/D
1 x 16 rm	1.0	1.4	10	227	40	87	84	97	98	1.84	1000/D
1 x 25 rm	1.2	1.4	11.6	336	40	117	114	125	127	2.88	1000/D
1 x 35 rm	1.2	1.4	12.7	437	40	144	140	150	152	4.03	1000/D
1 x 50 rm	1.4	1.4	14.3	562	30	177	172	178	180	5.75	1000/D
1 x 70 rm	1.4	1.4	16	768	30	225	218	218	220	8.05	1000/D
1 x 95 rm	1.6	1.5	18.5	1049	30	278	270	260	264	10.93	1000/D
1 x 120 rm	1.6	1.5	20	1280	30	325	315	296	300	13.8	1000/D
1 x 150 rm	1.8	1.6	22.5	1275	20	373	362	331	336	17.25	1000/D
1 x 185 rm	2.0	1.7	24.5	1959	20	433	420	374	379	21.28	1000/D
1 x 240 rm	2.2	1.8	28	2538	20	518	503	432	439	27.6	1000/D
1 x 300 rm	2.4	1.9	31	3157	20	598	580	486	494	34.5	1000/D
1 x 400 rm	2.6	2.0	34	3995	20	695	674	549	558	46	1000/D
1 x 500 rm	2.8	2.1	38	5075	20	806	781	618	629	57.5	1000/D
1 x 630 rm	2.8	2.3	43	6449	20	930	901	692	704	72.45	500/D

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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

Outer Sheath

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

Applications:

Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage.

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 Coss Section Area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC. Resistance at 20°C	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	14.5	324	50	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	15	341	50	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	15.5	362	50	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	16	381	50	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	17.4	434	50	15	12	0.17	1000/D
10 x 1.5 rm	0.8	1.8	18.1	458	50	15	12	0.17	1000/D
12 x 1.5 re	0.8	1.8	17.9	480	50	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	18.6	506	50	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	18.7	542	50	13	11	0.17	1000/D
14 x 1.5 rm	0.8	1.8	19.5	572	50	13	11	0.17	1000/D
16 x 1.5 re	0.8	1.8	19.5	599	50	12	10	0.17	1000/D
16 x 1.5 rm	0.8	1.8	20.3	632	50	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	20.4	670	50	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	21.3	707	50	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	21.4	728	50	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	22.3	768	50	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.8	23.4	821	50	11	8	0.17	1000/D
24 x 1.5 rm	0.8	1.8	24.4	866	50	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	24.6	970	50	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	25.7	1024	50	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.8	27.3	1226	50	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.8	28.5	1294	50	11	8	0.17	1000/D
52 x 1.5 re	0.8	1.9	32	1585	50	11	8	0.17	1000/D
52 x 1.5 rm	0.8	1.9	33.4	1673	50	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.0	33	1815	50	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.0	34.6	1916	50	11	8	0.17	1000/D

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Constructions:

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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

Colour :

- Light Blue, Brown



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Outer Sheath

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

Applications:

Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage.

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 area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC. Resistance at 20°C	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	10.8	159	50	27	21	0.17	1000/D
2 x 1.5 rm	0.8	1.8	11.1	168	50	27	21	0.17	1000/D
2 x 2.5 re	0.8	1.8	11.6	196	50	36	29	0.29	1000/D
2 x 2.5 rm	0.8	1.8	12.1	209	50	36	29	0.29	1000/D
2 x 4 re	1.0	1.8	13.3	269	50	47	38	0.46	1000/D
2 x 4 rm	1.0	1.8	13.9	289	50	47	38	0.46	1000/D
2 x 6 re	1.0	1.8	14.3	333	50	59	48	0.69	1000/D
2 x 6 rm	1.0	1.8	15.1	359	50	59	48	0.69	1000/D
2 x 10re	1.0	1.8	16.1	452	50	78	66	1.15	1000/D
2 x 10 rm	1.0	1.8	16.8	485	50	78	66	1.15	1000/D
2 x 16 rm	1.0	1.8	18.9	657	40	102	90	1.84	1000/D
2 x 25 rm	1.2	1.8	22.3	959	40	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	24.5	1224	40	160	150	4.03	1000/D
2 x 50 rm	1.4	1.8	27.7	4578	30	187	180	5.75	1000/D
2 x 70 rm	1.4	1.9	31.4	2131	30	230	230	8.05	1000/D
2 x 95 rm	1.6	2	36.4	2905	30	280	275	10.93	1000/D
2 x 120 rm	1.6	2.1	39.7	3531	30	320	320	13.80	1000/D
2 x 150 rm	1.8	2.2	43.7	4321	20	355	379	17.25	500/D
2 x 185 rm	2.0	2.4	48.6	5368	20	409	430	21.28	500/D
2 x 240 rm	2.2	2.6	55.1	6964	20	472	510	27.60	500/D
2 x 300 rm	2.4	2.7	60.8	8605	20	525	590	34.50	500/D

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Constructions:

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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

Outer Sheath

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

Applications:

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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 Area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC. Resistance at 20°C	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 2.5 re	0.8	1.8	15.8	421	50	26	21	0.29	1000/D
7 x 2.5 rm	0.8	1.8	16.5	450	50	26	21	0.29	1000/D
8 x 2.5 re	0.8	1.8	16.9	471	50	23	18	0.29	1000/D
8 x 2.5 rm	0.8	1.8	17.7	505	50	23	18	0.29	1000/D
10 x 2.5 re	0.8	1.8	19.1	570	50	21	17	0.29	1000/D
10 x 2.5 rm	0.8	1.8	20.1	611	50	21	17	0.29	1000/D
12 x 2.5 re	0.8	1.8	19.7	637	50	20	16	0.29	1000/D
12 x 2.5 rm	0.8	1.8	20.7	682	50	20	16	0.29	1000/D
14 x 2.5 re	0.8	1.8	20.5	724	50	18	15	0.29	1000/D
14 x 2.5 rm	0.8	1.8	21.6	777	50	18	15	0.29	1000/D
16 x 2.5 re	0.8	1.8	21.5	804	50	17	14	0.29	1000/D
16 x 2.5rm	0.8	1.8	22.6	863	50	17	14	0.29	1000/D
19 x 2.5 re	0.8	1.8	22.5	907	50	17	13	0.29	1000/D
19 x 2.5 rm	0.8	1.8	23.6	974	50	17	13	0.29	1000/D
21 x 2.5 re	0.8	1.8	23.6	989	50	16	12	0.29	1000/D
21 x 2.5 rm	0.8	1.8	24.9	1062	50	16	12	0.29	1000/D
24 x 2.5 re	0.8	1.8	25.9	1118	50	15	11	0.29	1000/D
24 x 2.5 rm	0.8	1.8	27.3	1200	50	15	11	0.29	1000/D
30 x 2.5 re	0.8	1.8	27.3	1335	50	14	11	0.29	1000/D
30 x 2.5 rm	0.8	1.8	28.8	1433	50	14	11	0.29	1000/D
40 x 2.5 re	0.8	1.9	30.5	1718	50	14	11	0.29	1000/D
40 x 2.5 rm	0.8	1.9	32.3	1846	50	14	11	0.29	1000/D
52 x 2.5 re	0.8	2.0	35.8	2220	50	14	11	0.29	1000/D
52 x 2.5 rm	0.8	2.0	37.9	2384	50	14	11	0.29	1000/D
61 x 2.5 re	0.8	2.1	37	2552	50	14	11	0.29	1000/D
61 x 2.5 rm	0.8	2.1	39.1	2741	50	14	11	0.29	1000/D

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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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Outer Sheath

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

Applications:

Indoor and outdoor induct installation or of laying in the ground where not sustain mechanical damage.

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
[Sm] Sector shape conductor

Packing : [D] Drum

No. of cores and Cross Section Area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC. Resistance at 20°C	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	11.2	181	50	24	18	0.17	1000/D
3 x 1.5 rm	0.8	1.8	11.6	191	50	24	18	0.17	1000/D
3 x 2.5 re	0.8	1.8	12.1	229	50	32	25	0.29	1000/D
3 x 2.5 rm	0.8	1.8	12.6	245	50	32	25	0.29	1000/D
3 x 4 re	1.0	1.8	14	319	50	41	34	0.46	1000/D
3 x 4 rm	1.0	1.8	14.6	342	50	41	34	0.46	1000/D
3 x 6 re	1.0	1.8	15.1	401	50	52	44	0.69	1000/D
3 x 6 rm	1.0	1.8	15.9	433	50	52	44	0.69	1000/D
3 x 10 rm	1.0	1.8	17.8	596	50	69	60	1.15	1000/D
3 x 10 re	1.0	1.8	17.1	578	50	69	60	1.15	1000/D
3 x 16 rm	1.0	1.8	20	822	40	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	23.6	1213	40	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	26	15.65	40	138	130	4.03	1000/D
3 x 50 sm	1.4	1.8	25.3	1898	30	165	160	5.75	1000/D
3 x 70 sm	1.4	2	28.6	2580	30	205	200	8.05	1000/D
3 x 95 sm	1.6	2.1	32.7	3485	30	245	245	10.93	1000/D
3 x 12 sm	1.6	2.2	35.5	4312	30	285	285	13.80	1000/D
3 x 150 sm	1.8	2.3	39.2	5300	20	315	325	17.25	500/0
3 x 185 sm	2.0	2.5	43.8	6478	20	355	370	21.28	500/D
3 x 240 sm	2.2	2.7	49.3	8491	20	415	435	27.60	500/D
3 x 300 sm	2.4	3.1	55	10652	20	535	600	34.50	500/D

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Inner Covering / filler

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	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	12	213	50	24	18	0.17	1000/D
4 x 1.5 rm	0.8	1.8	12.4	224	50	24	18	0.17	1000/D
4 x 2.5 re	0.8	1.8	13	273	50	32	25	0.29	1000/D
4 x 2.5 rm	0.8	1.8	13.6	292	50	32	25	0.29	1000/D
4 x 4 re	1.0	1.8	15.1	385	50	41	34	0.46	1000/D
4 x 4 rm	1.0	1.8	15.8	413	50	41	34	0.46	1000/D
4 x 6 re	1.0	1.8	16.3	490	50	52	44	0.69	1000/D
4 x 6 rm	1.0	1.8	17.2	527	50	52	44	0.69	1000/D
4 x 10 re	1.0	1.8	20.3	724	50	69	60	1.15	1000/D
4 x 10 rm	1.0	1.8	21	743	50	69	60	1.15	1000/D
4 x 16 rm	1.0	1.8	24	1035	40	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	28	1541	40	116	105	2.88	1000/D
4 x 35 rm	1.2	1.8	30	1999	40	138	130	4.03	1000/D
4 x 50 sm	1.4	1.9	32	2498	30	165	160	5.75	1000/D
4 x 70 sm	1.4	2.1	36	3374	30	205	200	8.05	1000/D
4 x 95 sm	1.6	2.2	40	4536	30	245	245	10.93	1000/D
4 x 120 sm	1.6	2.3	44	5676	30	285	285	13.80	1000/D
4 x 150 sm	1.8	2.5	49	6910	20	315	325	17.25	500/D
4 x 185 sm	2.0	2.7	53	8596	20	355	370	21.28	500/D
4 x 240 sm	2.2	2.9	60	11087	20	415	435	27.60	500/D
4 x 300 sm	2.4	3.1	66	13549	20	465	500	34.50	500/D

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	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	12.8	255	50	24	18	0.17	1000/D
5 x 1.5 rm	0.8	1.8	13.3	268	50	24	18	0.17	1000/D
5 x 2.5 re	0.8	1.8	14	329	50	32	25	0.29	1000/D
5 x 2.5 rm	0.8	1.8	14.6	352	50	32	25	0.29	1000/D
5 x 4 re	1.0	1.8	16.3	470	50	41	34	0.46	1000/D
5 x 4 rm	1.0	1.8	17.1	505	50	41	34	0.46	1000/D
5 x 6 re	1.0	1.8	17.7	602	50	52	44	0.69	1000/D
5 x 6 rm	1.0	1.8	18.6	650	50	52	44	0.69	1000/D
5 x 10 re	1.0	1.8	20.4	893	50	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	21.1	912	50	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	23.8	1279	40	89	80	1.84	1000/D
5 x 25 rm	1.2	1.8	28.3	1914	40	116	105	2.88	1000/D
5 x 35 rm	1.2	1.9	31.5	2505	40	138	130	4.03	1000/D
5 x 50 rm	1.4	2.0	36.4	3273	30	165	160	5.75	1000/D