

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)

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

Armour

A layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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	13.9	374	12	27	21	0.17	1000/D
2 x 1.5 rm	0.8	1.8	14.3	375	11	27	21	0.17	1000/D
2 x 2.5 re	0.8	1.8	14.6	406	10	36	29	0.29	1000/D
2 x 2.5 rm	0.8	1.8	15.2	430	9	36	29	0.29	1000/D
2 x 4 re	1.0	1.8	16.4	503	10	47	38	0.46	1000/D
2 x 4 rm	1.0	1.8	17	536	9	47	38	0.46	1000/D
2 x 6 re	1.0	1.8	18	674	9	59	48	0.69	1000/D
2 x 6 rm	1.0	1.8	18.9	734	8	59	48	0.69	1000/D
2 x 10 re	1.0	1.8	20.1	781	7	78	66	1.15	1000/D
2 x 10 rm	1.0	1.8	20.8	908	6	78	66	1.15	1000/D
2 x 16 rm	1.0	1.8	23.4	1296	5	102	90	1.84	1000/D
2 x 25 rm	1.2	1.8	26.6	1688	5	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	28.9	2030	4	160	150	4.03	1000/D
2 x 50 rm	1.4	1.9	33.6	2812	4	187	180	5.75	1000/D
2 x 70 rm	1.4	2.0	36.8	3430	4	230	230	8.05	1000/D
2 x 95 rm	1.6	2.1	42.2	4470	4	280	275	10.93	1000/D
2 x 120 rm	1.6	2.2	46.5	5648	3	320	320	13.80	1000/D
2 x 150 rm	1.8	2.3	50.6	6650	3	355	375	17.25	500/D
2 x 185 rm	2.0	2.5	55.8	8007	3	409	430	21.28	500/D
2 x 240 rm	2.2	2.7	62.2	9952	3	472	510	27.60	500/D
2 x 300 rm	2.4	2.8	58.5	11918	3	525	590	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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	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	14.3	390	12	24	18	0.17	1000/D
3 x 1.5 rm	0.8	1.8	14.8	410	11	24	18	0.17	1000/D
3 x 2.5 re	0.8	1.8	15.2	451	10	32	25	0.29	1000/D
3 x 2.5 rm	0.8	1.8	15.8	479	9	32	25	0.29	1000/D
3 x 4 re	1.0	1.8	17.8	655	10	41	34	0.46	1000/D
3 x 4 rm	1.0	1.8	18.5	699	9	41	34	0.46	1000/D
3 x 6 re	1.0	1.8	18.8	762	9	52	44	0.69	1000/D
3 x 6 rm	1.0	1.8	19.7	819	8	52	44	0.69	1000/D
3 x 10 re	1.0	1.8	21.1	1025	7	69	60	1.15	1000/D
3 x 10 rm	1.0	1.8	21.8	1044	6	69	60	1.15	1000/D
3 x 16 rm	1.0	1.8	24.5	1416	5	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	28.1	1894	5	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	30.5	2321	4	138	130	4.03	1000/D
3 x 50 sm	1.4	1.9	32.7	2784	4	165	160	5.75	1000/D
3 x 70 sm	1.4	2.0	36.7	3806	4	205	200	8.05	1000/D
3 x 95 sm	1.6	2.2	41	4882	4	245	245	10.93	1000/D
3 x 120 sm	1.6	2.3	43.7	5853	3	285	285	13.80	1000/D
3 x 150 sm	1.8	2.4	48.9	7407	3	315	325	17.25	500/D
3 x 185 sm	2.0	2.6	52.5	8774	3	355	370	21.28	500/D
3 x 240 sm	2.2	2.8	57.9	11036	3	415	435	27.60	500/D
3 x 300 sm	2.4	3.0	62.5	13137	3	465	500	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)

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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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	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	15.2	433	12	24	18	0.17	1000/D
4 x 1.5 rm	0.8	1.8	15.6	455	11	24	18	0.17	1000/D
4 x 2.5 re	0.8	1.8	16	515	10	32	25	0.29	1000/D
4 x 2.5 rm	0.8	1.8	16.7	538	9	32	25	0.29	1000/D
4 x 4 re	1.0	1.8	18.8	740	10	41	34	0.46	1000/D
4 x 4 rm	1.0	1.8	19.7	790	9	41	34	0.46	1000/D
4 x 6 re	1.0	1.8	20.8	870	9	52	44	0.69	1000/D
4 x 6 rm	1.0	1.8	21	925	8	52	44	0.69	1000/D
4 x 10 re	1.0	1.8	23.6	1298	7	69	60	1.15	1000/D
4 x 10 rm	1.0	1.8	24	1317	6	69	60	1.15	1000/D
4 x 16 rm	1.0	1.8	26.3	1548	5	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	30.4	2241	5	116	105	2.88	1000/D
4 x 35 rm	1.2	1.9	32.9	2933	4	138	130	4.03	1000/D
4 x 50 sm	1.4	2.0	33.9	2934	4	165	160	5.75	1000/D
4 x 70 sm	1.4	2.1	38.7	4148	4	205	200	8.05	1000/D
4 x 95 sm	1.6	2.3	43.9	5489	4	245	245	10.93	1000/D
4 x 120 sm	1.6	2.4	48.2	7163	3	285	285	13.80	1000/D
4 x 150 sm	1.8	2.6	52.5	8637	3	315	325	17.25	500/D
4 x 185 sm	2.0	2.8	57.2	10354	3	355	370	21.28	500/D
4 x 240 sm	2.2	3.0	64.3	13347	3	415	435	27.60	500/D
4 x 300 sm	2.4	3.2	72.5	16702	3	465	500	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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
5 x 1.5 re	0.8	1.8	16	484	12	24	18	0.17	1000/D
5 x 1.5 rm	0.8	1.8	16.5	509	11	24	18	0.17	1000/D
5 x 2.5 re	0.8	1.8	17.7	647	10	32	25	0.29	1000/D
5 x 2.5 rm	0.8	1.8	18.5	687	9	32	25	0.29	1000/D
5 x 4 re	1.0	1.8	20	839	10	41	34	0.46	1000/D
5 x 4 rm	1.0	1.8	21	897	9	41	34	0.46	1000/D
5 x 6 re	1.0	1.8	21.4	996	9	52	44	0.69	1000/D
5 x 6 rm	1.0	1.8	22.5	1069	8	52	44	0.69	1000/D
5 x 10 re	1.0	1.8	25	1502	7	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	25.7	1527	6	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	28.3	1928	5	89	80	1.84	1000/D
5 x 25 rm	1.2	1.9	33.2	2641	5	116	105	2.96	1000/D
5 x 35 rm	1.2	2.0	37.4	3520	4	138	130	4.03	1000/D
5 x 50 rm	1.4	2.1	43	4921	4	165	160	5.75	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)

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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground..

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
7 x 1.5 re	0.8	1.8	18.6	727	12	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	19.2	777	11	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	19.7	792	12	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	20.3	848	11	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	21.7	929	12	15	11	0.17	1000/D
10 x 1.5 rm	0.8	1.8	22.6	997	11	15	11	0.17	1000/D
12 x 1.5 re	0.8	1.8	23	1117	12	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	23.8	1199	11	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	24	1197	12	13	10	0.17	1000/D
14 x 1.5 rm	0.8	1.8	24.7	1287	11	13	10	0.17	1000/D
16 x 1.5 re	0.8	1.8	25	1310	12	12	10	0.17	1000/D
16 x 1.5 rm	0.8	1.8	25.6	1382	11	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	26	1391	12	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	26.6	1504	11	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	27	1496	12	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	27.7	1611	11	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.8	28.2	1629	12	11	8	0.17	1000/D
24 x 1.5 rm	0.8	1.8	29.3	1766	11	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	30	1857	12	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	31.4	2020	11	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.9	33.7	2420	12	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.9	35.2	2635	11	11	8	0.17	1000/D
52 x 1.5 re	0.8	2.1	37.6	2932	12	11	8	0.17	1000/D
52 x 1.5 rm	0.8	2.1	39.3	3190	11	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.1	39.5	3215	12	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.1	41.3	3518	11	11	8	0.17	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/SWA/PVC 0.6/1 kV (NYRGbY)



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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized round steel wires with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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
7 x 2.5 re	0.8	1.8	19.7	848	10	26	21	0.29	1000/D
7 x 2.5 rm	0.8	1.8	20.6	918	9	26	21	0.29	1000/D
8 x 2.5 re	0.8	1.8	21	928	10	23	18	0.29	1000/D
8 x 2.5 rm	0.8	1.8	21.8	1007	9	23	18	0.29	1000/D
10 x 2.5 re	0.8	1.8	24	1228	10	21	17	0.29	1000/D
10 x 2.5 rm	0.8	1.8	25.2	1332	9	21	17	0.29	1000/D
12 x 2.5 re	0.8	1.8	24.6	1317	10	20	16	0.29	1000/D
12 x 2.5 rm	0.8	1.8	25.7	1431	9	20	16	0.29	1000/D
14 x 2.5 re	0.8	1.8	25.4	1421	10	18	15	0.29	1000/D
14 x 2.5 rm	0.8	1.8	26.7	1548	9	18	15	0.29	1000/D
16 x 2.5 re	0.8	1.8	26.9	1561	10	17	14	0.29	1000/D
16 x 2.5 rm	0.8	1.8	27.7	1671	9	17	14	0.29	1000/D
19 x 2.5 re	0.8	1.8	27.5	1675	10	17	13	0.29	1000/D
19 x 2.5 rm	0.8	1.8	28.9	1833	9	17	13	0.29	1000/D
21 x 2.5 re	0.8	1.8	28.6	1800	10	16	12	0.29	1000/D
21 x 2.5 rm	0.8	1.8	30.2	1973	9	16	12	0.29	1000/D
24 x 2.5 re	0.8	1.8	30.4	1980	10	15	11	0.29	1000/D
24 x 2.5 rm	0.8	1.8	31.9	2173	9	15	11	0.29	1000/D
30 x 2.5 re	0.8	1.9	32.5	2280	10	14	11	0.29	1000/D
30 x 2.5 rm	0.8	1.9	35.5	2823	9	14	11	0.29	1000/D
40 x 2.5 re	0.8	2.0	37.3	3167	10	14	11	0.29	1000/D
40 x 2.5 rm	0.8	2.0	39.5	3389	9	14	11	0.29	1000/D
52 x 2.5 re	0.8	2.1	41.6	3704	10	14	11	0.29	1000/D
52 x 2.5 rm	0.8	2.1	43.2	4002	9	14	11	0.29	1000/D
61 x 2.5 re	0.8	2.2	43.9	4121	10	14	11	0.29	1000/D
61 x 2.5 rm	0.8	2.2	46.3	4970	9	14	11	0.29	1000/D

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

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 :

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



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, 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
[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

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 :

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



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, 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
[Sm] Sector shape 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
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

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 :

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



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, 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
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)

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 :

-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.

Applications:

For indoor installation, 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
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

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

- 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.

Applications:

For indoor installation, 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
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

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°	Current Carrying Capacity @ 30°C				Short Circuit Current Capacity @ 1.0 sec	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	12	21	27	27	27	0.17	1000/D
1 x 1.5 rm	0.8	1.4	6	52	11	21	24	27	27	0.17	1000/D
1 x 2.5 re	0.8	1.4	6.2	63	10	28	27	35	35	0.29	1000/D
1 x 2.5 rm	0.8	1.4	6.5	67	9	28	27	35	35	0.29	1000/D
1 x 4 re	1.0	1.4	7.1	87	10	38	37	45	46	0.46	1000/D
1 x 4 rm	1.0	1.4	7.4	92	9	38	37	45	46	0.46	1000/D
1 x 6 re	1.0	1.4	7.6	110	9	48	46	57	57	0.69	1000/D
1 x 6 rm	1.0	1.4	8	117	8	48	46	57	57	0.69	1000/D
1 x 10 re	1.0	1.4	8.5	157	7	65	64	76	76	1.15	1000/D
1 x 10 rm	1.0	1.4	8.8	163	6	65	64	76	76	1.15	1000/D
1 x 16 rm	1.0	1.4	10	227	5	87	84	97	98	1.84	1000/D
1 x 25 rm	1.2	1.4	11.6	336	5	117	114	125	127	2.88	1000/D
1 x 35 rm	1.2	1.4	12.7	437	4	144	140	150	152	4.03	1000/D
1 x 50 rm	1.4	1.4	14.3	562	4	177	172	178	180	5.75	1000/D
1 x 70 rm	1.4	1.4	16	768	4	225	218	218	220	8.05	1000/D
1 x 95 rm	1.6	1.5	18.5	1049	4	278	270	260	264	10.93	1000/D
1 x 120 rm	1.6	1.5	20	1280	3	325	315	296	300	13.8	1000/D
1 x 150 rm	1.8	1.6	22.5	1275	3	373	362	331	336	17.25	1000/D
1 x 185 rm	2.0	1.7	24.5	1959	3	433	420	374	379	21.28	1000/D
1 x 240 rm	2.2	1.8	28	2538	3	518	503	432	439	27.6	1000/D
1 x 300 rm	2.4	1.9	31	3157	3	598	580	486	494	34.5	1000/D
1 x 400 rm	2.6	2.0	34	3995	3	695	674	549	558	46	1000/D
1 x 500 rm	2.8	2.1	38	5075	3	806	781	618	629	57.5	1000/D
1 x 630 rm	2.8	2.3	43	6449	3	930	901	692	704	72.45	500/D

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

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°	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	12	27	21	0.17	1000/D
2 x 1.5 rm	0.8	1.8	11.1	168	11	27	21	0.17	1000/D
2 x 2.5 re	0.8	1.8	11.6	196	10	36	29	0.29	1000/D
2 x 2.5 rm	0.8	1.8	12.1	209	9	36	29	0.29	1000/D
2 x 4 re	1.0	1.8	13.3	269	10	47	38	0.46	1000/D
2 x 4 rm	1.0	1.8	13.9	289	9	47	38	0.46	1000/D
2 x 6 re	1.0	1.8	14.3	333	9	59	48	0.69	1000/D
2 x 6 rm	1.0	1.8	15.1	359	8	59	48	0.69	1000/D
2 x 10re	1.0	1.8	16.1	452	7	78	66	1.15	1000/D
2 x 10 rm	1.0	1.8	16.8	485	6	78	66	1.15	1000/D
2 x 16 rm	1.0	1.8	18.9	657	5	102	90	1.84	1000/D
2 x 25 rm	1.2	1.8	22.3	959	5	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	24.5	1224	4	160	150	4.03	1000/D
2 x 50 rm	1.4	1.8	27.7	4578	4	187	180	5.75	1000/D
2 x 70 rm	1.4	1.9	31.4	2131	4	230	230	8.05	1000/D
2 x 95 rm	1.6	2	36.4	2905	4	280	275	10.93	1000/D
2 x 120 rm	1.6	2.1	39.7	3531	3	320	320	13.80	1000/D
2 x 150 rm	1.8	2.2	43.7	4321	3	355	379	17.25	500/D
2 x 185 rm	2.0	2.4	48.6	5368	3	409	430	21.28	500/D
2 x 240 rm	2.2	2.6	55.1	6964	3	472	510	27.60	500/D
2 x 300 rm	2.4	2.7	60.8	8605	3	525	590	34.50	500/D

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 :

- 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°	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	12	24	18	0.17	1000/D
3 x 1.5 rm	0.8	1.8	11.6	191	11	24	18	0.17	1000/D
3 x 2.5 re	0.8	1.8	12.1	229	10	32	25	0.29	1000/D
3 x 2.5 rm	0.8	1.8	12.6	245	9	32	25	0.29	1000/D
3 x 4 re	1.0	1.8	14	319	10	41	34	0.46	1000/D
3 x 4 rm	1.0	1.8	14.6	342	9	41	34	0.46	1000/D
3 x 6 re	1.0	1.8	15.1	401	9	52	44	0.69	1000/D
3 x 6 rm	1.0	1.8	15.9	433	8	52	44	0.69	1000/D
3 x 10 re	1.0	1.8	17.1	578	7	69	60	1.15	1000/D
3 x 10 rm	1.0	1.8	17.8	596	6	69	60	1.15	1000/D
3 x 16 rm	1.0	1.8	20	822	5	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	23.6	1213	5	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	26	1565	4	138	130	4.03	1000/D
3 x 50 sm	1.4	1.8	25.3	1898	4	165	160	5.75	1000/D
3 x 70 sm	1.4	2	28.6	2580	4	205	200	8.05	1000/D
3 x 95 sm	1.6	2.1	32.7	3485	4	245	245	10.93	1000/D
3 x 120 sm	1.6	2.2	35.5	4312	3	285	285	13.80	1000/D
3 x 150 sm	1.8	2.3	39.2	5300	3	315	325	17.25	500/0
3 x 185 sm	2.0	2.5	43.8	6478	3	355	370	21.28	500/D
3 x 240 sm	2.2	2.7	49.3	8491	3	415	435	27.60	500/D
3 x 300 sm	2.4	3.1	55	10652	3	535	600	34.50	500/D

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 :

- Yellow Strip Green, Brown, Black and Grey
- Light Blue, 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°	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	12	213	12	24	18	0.17	1000/D
4 x 1.5 rm	0.8	1.8	12.4	224	11	24	18	0.17	1000/D
4 x 2.5 re	0.8	1.8	13	273	10	32	25	0.29	1000/D
4 x 2.5 rm	0.8	1.8	13.6	292	9	32	25	0.29	1000/D
4 x 4 re	1.0	1.8	15.1	385	10	41	34	0.46	1000/D
4 x 4 rm	1.0	1.8	15.8	413	9	41	34	0.46	1000/D
4 x 6 re	1.0	1.8	16.3	490	9	52	44	0.69	1000/D
4 x 6 rm	1.0	1.8	17.2	527	8	52	44	0.69	1000/D
4 x 10 re	1.0	1.8	20.3	724	7	69	60	1.15	1000/D
4 x 10 rm	1.0	1.8	21	743	6	69	60	1.15	1000/D
4 x 16 rm	1.0	1.8	24	1035	5	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	28	1541	5	116	105	2.88	1000/D
4 x 35 rm	1.2	1.8	30	1999	4	138	130	4.03	1000/D
4 x 50 sm	1.4	1.9	32	2498	4	165	160	5.75	1000/D
4 x 70 sm	1.4	2.1	36	3374	4	205	200	8.05	1000/D
4 x 95 sm	1.6	2.2	40	4536	4	245	245	10.93	1000/D
4 x 120 sm	1.6	2.3	44	5676	3	285	285	13.80	1000/D
4 x 150 sm	1.8	2.5	49	6910	3	315	325	17.25	500/D
4 x 185 sm	2.0	2.7	53	8596	3	355	370	21.28	500/D
4 x 240 sm	2.2	2.9	60	11087	3	415	435	27.60	500/D
4 x 300 sm	2.4	3.1	66	13549	3	465	500	34.50	500/D

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 :

- Yellow Strip Green, Light Blue, 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

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°	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	12.8	255	12	24	18	0.17	1000/D
5 x 1.5 rm	0.8	1.8	13.3	268	11	24	18	0.17	1000/D
5 x 2.5 re	0.8	1.8	14	329	10	32	25	0.29	1000/D
5 x 2.5 rm	0.8	1.8	14.6	352	9	32	25	0.29	1000/D
5 x 4 re	1.0	1.8	16.3	470	10	41	34	0.46	1000/D
5 x 4 rm	1.0	1.8	17.1	505	9	41	34	0.46	1000/D
5 x 6 re	1.0	1.8	17.7	602	9	52	44	0.69	1000/D
5 x 6 rm	1.0	1.8	18.6	650	8	52	44	0.69	1000/D
5 x 10 re	1.0	1.8	20.4	893	7	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	21.1	912	6	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	23.8	1279	5	89	80	1.84	1000/D
5 x 25 rm	1.2	1.8	28.3	1914	5	116	105	2.88	1000/D
5 x 35 rm	1.2	1.9	31.5	2505	4	138	130	4.03	1000/D
5 x 50 rm	1.4	2.0	36.4	3273	4	165	160	5.75	1000/D

Copper Conductor PVC Insulated and PVC Sheathed non Armoured Control 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 :

- 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 Cross Section Area	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	14.5	324	12	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	15	341	11	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	15.5	362	12	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	16	381	11	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	17.4	434	12	15	12	0.17	1000/D
10 x 1.5 rm	0.8	1.8	18.1	458	11	15	12	0.17	1000/D
12 x 1.5 re	0.8	1.8	17.9	480	12	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	18.6	506	11	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	18.7	542	12	13	11	0.17	1000/D
14 x 1.5 rm	0.8	1.8	19.5	572	11	13	11	0.17	1000/D
16 x 1.5 re	0.8	1.8	19.5	599	12	12	10	0.17	1000/D
16 x 1.5 rm	0.8	1.8	20.3	632	11	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	20.4	670	12	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	21.3	707	11	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	21.4	728	12	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	22.3	768	11	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.8	23.4	821	12	11	8	0.17	1000/D
24 x 1.5 rm	0.8	1.8	24.4	866	11	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	24.6	970	12	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	25.7	1024	11	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.8	27.3	1226	12	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.8	28.5	1294	11	11	8	0.17	1000/D
52 x 1.5 re	0.8	1.9	32	1585	12	11	8	0.17	1000/D
52 x 1.5 rm	0.8	1.9	33.4	1673	11	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.0	33	1815	12	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.0	34.6	1916	11	11	8	0.17	1000/D

Copper Conductor PVC Insulated and PVC Sheathed non Armoured Control 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 :

- 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 Cross Section Area	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 2.5 re	0.8	1.8	15.8	421	10	26	21	0.29	1000/D
7 x 2.5 rm	0.8	1.8	16.5	450	9	26	21	0.29	1000/D
8 x 2.5 re	0.8	1.8	16.9	471	10	23	18	0.29	1000/D
8 x 2.5 rm	0.8	1.8	17.7	505	9	23	18	0.29	1000/D
10 x 2.5 re	0.8	1.8	19.1	570	10	21	17	0.29	1000/D
10 x 2.5 rm	0.8	1.8	20.1	611	9	21	17	0.29	1000/D
12 x 2.5 re	0.8	1.8	19.7	637	10	20	16	0.29	1000/D
12 x 2.5 rm	0.8	1.8	20.7	682	9	20	16	0.29	1000/D
14 x 2.5 re	0.8	1.8	20.5	724	10	18	15	0.29	1000/D
14 x 2.5 rm	0.8	1.8	21.6	777	9	18	15	0.29	1000/D
16 x 2.5 re	0.8	1.8	21.5	804	10	17	14	0.29	1000/D
16 x 2.5rm	0.8	1.8	22.6	863	9	17	14	0.29	1000/D
19 x 2.5 re	0.8	1.8	22.5	907	10	17	13	0.29	1000/D
19 x 2.5 rm	0.8	1.8	23.6	974	9	17	13	0.29	1000/D
21 x 2.5 re	0.8	1.8	23.6	989	10	16	12	0.29	1000/D
21 x 2.5 rm	0.8	1.8	24.9	1062	9	16	12	0.29	1000/D
24 x 2.5 re	0.8	1.8	25.9	1118	10	15	11	0.29	1000/D
24 x 2.5 rm	0.8	1.8	27.3	1200	9	15	11	0.29	1000/D
30 x 2.5 re	0.8	1.8	27.3	1335	10	14	11	0.29	1000/D
30 x 2.5 rm	0.8	1.8	28.8	1433	9	14	11	0.29	1000/D
40 x 2.5 re	0.8	1.9	30.5	1718	10	14	11	0.29	1000/D
40 x 2.5 rm	0.8	1.9	32.3	1846	9	14	11	0.29	1000/D
52 x 2.5 re	0.8	2.0	35.8	2220	10	14	11	0.29	1000/D
52 x 2.5 rm	0.8	2.0	37.9	2384	9	14	11	0.29	1000/D
61 x 2.5 re	0.8	2.1	37	2552	10	14	11	0.29	1000/D
61 x 2.5 rm	0.8	2.1	39.1	2741	9	14	11	0.29	1000/D

N2XSY 1 x (25-630) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

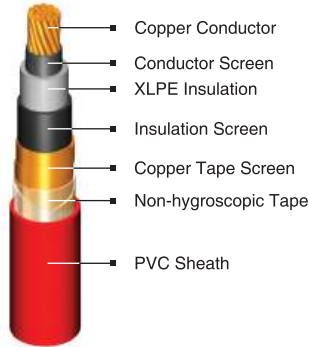
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm²	mm	kg/km
25	17.1	531
35	18.2	646
50	19.2	777
70	21.0	1,005
95	22.5	1,276
120	24.5	1,519
150	25.5	1,759
185	27.5	2,131
240	30.5	2,711
300	33.0	3,308
400	36.5	4,116
500	40.5	5,192
630	44.0	6,567

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
Nom. Cross Sect. (mm²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙			
	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground	Conductor	Screen
					Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.394	0.441	156	152	160	156	3.58	1.14
35	0.524	0.668	0.374	0.420	190	182	195	187	5.01	1.14
50	0.387	0.494	0.359	0.405	227	214	233	220	7.15	1.14
70	0.268	0.342	0.339	0.385	285	263	293	270	10.01	1.14
95	0.193	0.247	0.325	0.371	348	314	357	322	13.59	1.14
120	0.153	0.196	0.313	0.359	403	358	414	367	17.16	1.14
150	0.124	0.159	0.302	0.348	459	401	472	411	21.45	1.14
185	0.0991	0.128	0.295	0.341	528	452	543	463	26.46	1.14
240	0.0754	0.098	0.288	0.334	627	523	644	536	34.32	1.14
300	0.0601	0.079	0.282	0.329	721	590	741	603	42.90	1.14
400	0.0470	0.064	0.276	0.323	842	669	864	684	57.20	1.14
500	0.0366	0.051	0.271	0.318	974	755	999	772	71.50	1.14
630	0.0283	0.042	0.265	0.311	1118	846	1146	864	90.09	1.14

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

N2XSY 1 x (25-630) mm² 6/10 kV

Cu / XLPE / CTS / PVC

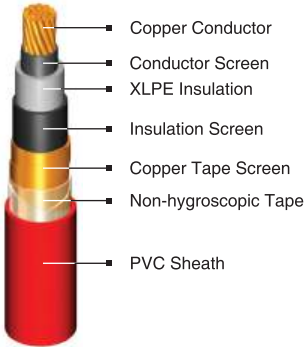
(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	18.9	594
35	20.5	712
50	21.5	846
70	23.0	1,078
95	24.5	1,353
120	26.0	1,559
150	27.5	1,853
185	29.5	2,218
240	32.0	2,794
300	34.0	3,334
400	37.5	4,163
500	41.0	5,217
630	44.5	6,595

Application :
For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

- Special Features on Request**
- Fire Resistance
 - Oil Resistance
 - UV Resistance
 - Flame Retardant Cat. A, B, C
 - Flame Retardant Non Category
 - Anti Termite
 - Anti Rodent
 - Low Smoke Zero Halogen
 - Nylon Coated



Note :
Conductor Shape
25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
25 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
Nom. Cross Sect.	DC	AC	Trefoil formation 	Flat formation 					Conductor	Screen
	Resistance at 20°C	Resistance at 90°C			in air	in ground	in air	in ground		
	Max. (Ω/km)	Max. (Ω/km)			Max. (A)	Max. (A)	Max. (A)	Max. (A)		
(mm²)			(mH/km)	(mH/km)					Max. (kA)	Max. (kA)
25	0.727	0.927	0.415	0.461	159	152	163	156	3.58	1.14
35	0.524	0.668	0.393	0.440	193	182	198	187	5.01	1.14
50	0.387	0.494	0.377	0.423	231	215	237	220	7.15	1.14
70	0.268	0.342	0.355	0.402	290	263	297	270	10.01	1.14
95	0.193	0.247	0.340	0.387	353	314	362	322	13.59	1.14
120	0.153	0.196	0.327	0.373	407	357	418	366	17.16	1.14
150	0.124	0.159	0.318	0.364	465	401	477	410	21.45	1.14
185	0.0991	0.128	0.308	0.354	534	453	548	463	26.46	1.14
240	0.0754	0.098	0.298	0.344	632	524	649	536	34.32	1.14
300	0.0601	0.079	0.290	0.336	724	590	744	603	42.90	1.14
400	0.0470	0.064	0.281	0.327	844	670	867	685	57.20	1.14
500	0.0366	0.051	0.273	0.320	975	756	1001	772	71.50	1.14
630	0.0283	0.042	0.267	0.313	1119	847	1148	865	90.09	1.14

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

N2XSY 1 x (25-630) mm² 8.7/15 kV

Cu / XLPE / CTS / PVC

(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

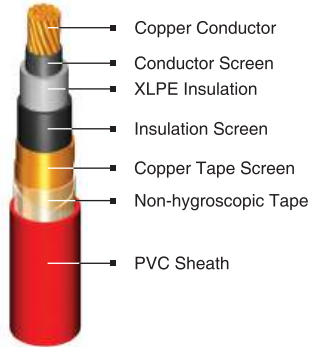
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	21.5	678
35	22.5	799
50	23.5	936
70	25.0	1,134
95	27.0	1,423
120	28.5	1,673
150	30.0	1,974
185	32.0	2,345
240	34.0	2,875
300	36.5	3,475
400	40.0	4,317
500	43.5	5,384
630	47.0	6,775

Application :

For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
Nom. Cross Sect. (mm²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation					Conductor	
	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground		
			(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.437	0.484	162	152	166	156	3.58	1.14
35	0.524	0.668	0.415	0.461	197	182	202	186	5.01	1.14
50	0.387	0.494	0.398	0.444	235	215	241	220	7.15	1.14
70	0.268	0.342	0.373	0.419	293	263	301	269	10.01	1.14
95	0.193	0.247	0.358	0.405	357	314	366	321	13.59	1.14
120	0.153	0.196	0.345	0.391	412	357	423	365	17.16	1.14
150	0.124	0.159	0.335	0.381	470	400	482	410	21.45	1.14
185	0.0991	0.128	0.325	0.371	539	452	553	463	26.46	1.14
240	0.0754	0.098	0.312	0.359	637	524	653	536	34.32	1.14
300	0.0601	0.079	0.304	0.350	730	590	749	603	42.90	1.14
400	0.0470	0.063	0.294	0.340	850	670	872	685	57.20	1.14
500	0.0366	0.051	0.285	0.331	982	757	1007	774	71.50	1.14
630	0.0283	0.042	0.277	0.324	1127	850	1155	868	90.09	1.14

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

N2XSY 1 x (35-630) mm² 12/20 kV

Cu / XLPE / CTS / PVC

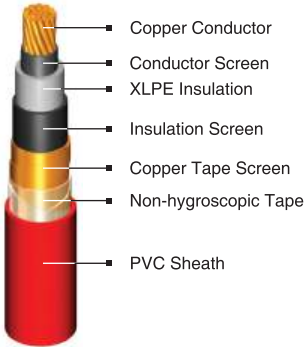
(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	24.5	884
50	25.5	984
70	27.5	1,236
95	29.0	1,518
120	30.5	1,786
150	32.0	2,078
185	34.0	2,414
240	36.5	3,004
300	38.5	3,595
400	42.0	4,447
500	45.5	5,523
630	49.0	6,926

Application :
For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

- Special Features on Request**
- Oil Resistance
 - UV Resistance
 - Flame Retardant Cat. A, B, C
 - Flame Retardant Non Category
 - Anti Termite
 - Anti Rodent
 - Low Smoke Zero Halogen
 - Nylon Coated



Note :
Conductor Shape
35 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
35 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
Nom. Cross Sect. (mm²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground		
					Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.524	0.668	0.432	0.478	200	182	204	186	5.01	1.14
50	0.387	0.494	0.413	0.459	238	214	243	219	7.15	1.14
70	0.268	0.342	0.390	0.437	297	262	304	269	10.01	1.14
95	0.193	0.247	0.373	0.419	361	314	369	321	13.59	1.14
120	0.153	0.196	0.360	0.407	416	357	427	365	17.16	1.14
150	0.124	0.159	0.348	0.394	474	401	486	410	21.45	1.14
185	0.0991	0.128	0.337	0.384	542	452	556	462	26.46	1.14
240	0.0754	0.098	0.325	0.371	641	524	657	536	34.32	1.14
300	0.0601	0.079	0.315	0.361	735	590	753	604	42.90	1.14
400	0.0470	0.063	0.304	0.350	855	672	876	686	57.20	1.14
500	0.0366	0.051	0.294	0.341	987	759	1011	775	71.50	1.14
630	0.0283	0.041	0.286	0.332	1133	853	1160	871	90.09	1.14

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

N2XSY 1 x (50-630) mm² 18/30 kV

Cu / XLPE/ CTS / PVC

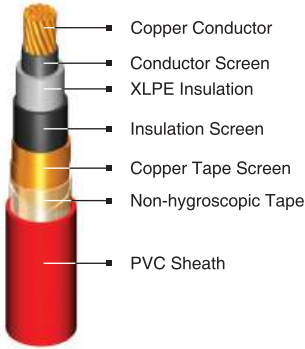
(Copper Conductor, XLPE Insulated, Copper Tape Screen, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm²	mm	kg/km
50	31.0	1,249
70	33.0	1,517
95	34.5	1,756
120	36.0	2,036
150	37.5	2,337
185	39.5	2,741
240	42.0	3,334
300	44.0	3,961
400	47.5	4,841
500	51.0	5,945
630	54.5	7,378

Application :
For power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

- Special Features on Request**
- Oil Resistance
 - UV Resistance
 - Flame Retardant Cat. A, B, C
 - Flame Retardant Non Category
 - Anti Termite
 - Anti Rodent
 - Low Smoke Zero Halogen
 - Nylon Coated



Note :
Conductor Shape
50 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
50 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
Nom. Cross Sect. (mm²)	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗		⊙			
	Max. (Ω/km)	Max. (Ω/km)			in air	in ground	in air	in ground	Conductor	Screen
					Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.453	0.499	243	214	249	219	7.15	1.14
70	0.268	0.342	0.428	0.474	303	262	310	268	10.01	1.14
95	0.193	0.247	0.408	0.454	367	313	375	320	13.59	1.14
120	0.153	0.196	0.393	0.439	423	356	433	364	17.16	1.14
150	0.124	0.159	0.379	0.425	481	400	492	409	21.45	1.14
185	0.0991	0.127	0.368	0.414	550	451	563	462	26.46	1.14
240	0.0754	0.098	0.353	0.399	649	524	664	535	34.32	1.14
300	0.0601	0.079	0.342	0.388	742	591	760	603	42.90	1.14
400	0.0470	0.063	0.328	0.375	863	673	883	687	57.20	1.14
500	0.0366	0.050	0.318	0.364	995	762	1018	777	71.50	1.14
630	0.0283	0.041	0.308	0.354	1143	858	1168	875	90.09	1.14

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

THREE CORES COPPER / ALUMINIUM XLPE INSULATED MEDIUM VOLTAGE CABLE

SPECIFICATION : SPLN 43-5

N2XSEY / NA2XSEY

Copper / Aluminium Conductor, XLPE Insulated,
Copper Wire / Tape Screened, Water Blocking Tape, PVC Sheathed Cable



NOMINAL VOLTAGE :

3.6/6 (7.2) kV
6/10 (12) kV
8,7/15 (17.5) kV
12/20 (24) kV

FEATURE :

XLPE insulated three cores cables are applied
for installation :

Indoors
Outdoors
Underground
Cable Tray

CONSTRUCTION

Conductor

Stranded compacted circular copper or aluminium conductors. All internal interstice of three conductor filled with water blocking compound which is specified to prevent ingress of water through conductor during storage , handling, installation and operating of the cable

Conductor Screen

Extruded semi-conducting compound. Minimum thickness 0.5 mm and the maximum volume resistivity of 5000 ohm-cm at 20°C and 25000 ohm-cm at 90°C

Insulation

Extruded XLPE with high degree of cross-linking, free from contaminants, air voids and heat resistant by dry cured process

Insulation Screen

Extruded semi-conducting compound. Minimum thickness 0.5 mm and the maximum volume resistivity of 5000 ohm-cm at 20°C and 25000 ohm-cm at 90°C.

The screen is tightly fitted to insulation to exclude all air void and can be easily hand stripped on site.

Conducting Water Blocking Layer

Semi-conductive water blocking tape provided over the insulation screen which will swell up under the influence of moisture or water

Metallic Screen

Copper wire and copper tape applied over the conducting water blocking layer. Copper tape with minimum thickness 0.1 mm and maximum 0.3 mm

Table 1. Minimum Total Cross Section of Metallic Screen

Nominal Cross Section of Cables (mm ²)	Minimum Cross Section of Metallic Screen (mm ²)
Up to 120	16
150-300	25
400-500	35

Water Blocking Layer

Non conducting water blocking tape provided over the metallic screen which will swell up under the influence of moisture or water.

Outer Sheath

Extruded black PVC, capable for operating continuously maximum temperature of the cable

THREE CORES COPPER / ALUMINIUM XLPE INSULATED MEDIUM VOLTAGE CABLE

SPECIFICATION : SPLN 43-5

N2XSEY / NA2XSEY 12/20 (24) kV

Copper / Aluminium Conductor, XLPE Insulated,
Copper Wire / Tape Screened, Water Blocking Tape, PVC Sheathed Cable



DIMENSIONAL DATA

3 CORES

Nominal cross sectional area	mm ²	35	50	70	95	120	150	185	240	300	400
Conductor diameter (approx.)	mm	7.1	8.25	9.9	11.7	13.1	14.3	16.3	18.7	20.9	23.7
Nominal Insulation thickness	mm	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)	mm	20.2	21.5	23.1	24.7	26.3	27.5	29.3	31.5	33.6	36.7
Nominal area of copper screen	mm	16	16	16	16	16	25	25	25	25	35
Nominal sheath thickness	mm	3.4	3.5	3.6	3.7	3.8	3.9	4.1	4.3	4.4	4.6
Overall Cable diameter (approx.)	mm	62	66	69	72	77	79	84	90	95	101
Cable Net. Weight (approx.)	kg/km	Cu	4,576	5,358	6,250	7,360	8,415	9,685	11,192	13,285	15,730
		Al	3,930	4,490	5,030	5,650	6,255	7,005	7,850	8,885	10,268
Standard length per-reel	m	500	500	500	500	250	250	250	250	250	250
Minimum bending radius	mm	850	995	1,030	1,095	1,160	1,195	1,265	1,340	1,430	1,515

ELECTRICAL DATA

Min. DC Insulation resistance at 20°C	M.Ω.km		1,400	1,300	1,100	1,000	900	900	800	700	700	600
Max. DC conductor resistance at 20°C	Ω/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.099	0.0754	0.0601	0.0470
		Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.102	0.0788
Capacitance per-phase	μF/km		0.160	0.175	0.196	0.217	0.238	0.254	0.275	0.305	0.332	0.369
Inductance per-phase	mH/km		0.406	0.380	0.358	0.338	0.328	0.319	0.306	0.293	0.284	0.276
Max. short circuit current of conductor	kA/sec	Cu	5.18	7.10	10.26	13.88	17.35	21.43	27.00	34.78	43.41	57.00
		Al	3.45	5.02	6.1	6.81	10.95	14.02	17.05	22.79	28.03	38.01
Max. short circuit current of screen	kA/sec		2.9	3.1	3.0	3.0	3.0	4.6	4.6	4.6	4.6	6.4
Max. current carrying capacity at 30°C	In Air	A	Cu	173	221	207	335	380	430	492	580	669
			Al	130	134	160	237	279	315	336	438	470
	In Ground	A	Cu	165	183	203	264	297	338	380	440	496
			Al	121	142	156	203	238	264	295	339	389
AC Test Voltage	kV/5 min						30					

Copper Conductor PVC Insulated Building Wire

Cu/PVC 450/750 V (NYA)



Specification :
SNI 04-6629.3 : 2006

Constructions:

Conductor

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

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI 6629.1 ; SNI 04-6629.3

Colour :

- Yellow Strip Green or Light Blue or Black or Yellow or Red



Applications:

Permanent Installation in conduit or exposed wiring in dry location.

Note : [re] round solid conductor
[rm] circular stranded conductor

Packing : [C] Coil
[D] Drum

Conductor Nominal crosssection area	Nominal Thickness Insulation	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	Standard delivery length
					In Pipe	In Air		
sq.mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	mm
1.5 re	0.7	3.1	19	12	15	24	0.17	100/Coil or Drum
1.5 rm	0.7	3.2	20	11	15	24	0.17	100/Coil or Drum
2.5 re	0.8	3.5	31	10	19	32	0.29	100/Coil or Drum
2.5 rm	0.8	3.6	33	9	19	32	0.29	100/Coil or Drum
4 re	0.8	4.0	45	10	25	42	0.46	100/Coil or Drum
4 rm	0.8	4.2	48	9	25	42	0.46	100/Coil or Drum
6 re	0.8	4.4	65	9	33	54	0.69	100/Coil or Drum
6 rm	0.8	4.8	71	8	33	54	0.69	100/Coil or Drum
10 rm	1.0	5.7	92	7	45	73	1.15	Drum
10 re	1.0	6.1	108	6	45	73	1.15	Drum
16 rm	1.0	7.2	175	5	61	98	1.84	Drum
25 rm	1.2	8.8	273	5	83	129	2.88	Drum
35 rm	1.2	9.9	367	4	103	158	4.03	Drum
50 rm	1.4	11.6	523	4	132	197	5.75	Drum
70 rm	1.4	13.3	692	4	165	245	8.05	Drum
95 rm	1.6	15.6	962	4	197	290	10.93	Drum
120 rm	1.6	17.2	1192	3	235	345	13.80	Drum
150 rm	1.8	19.1	1511	3	-	390	17.25	Drum
185 rm	2.0	21.4	1844	3	-	445	21.28	Drum
240 rm	2.2	24.4	2430	3	-	525	27.60	Drum
300 rm	2.4	27.2	3015	3	-	605	34.50	Drum
400 rm	2.6	30.4	3863	3	-	725	46.00	Drum

Single Core Flexible Copper Conductor PVC Insulated

Cu/PVC-f 450/750 V (NYAF)



Specification :
SNI 04-6629.3 : 2006

Constructions:

Conductor

Annealed plain copper wires bunch stranded, according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI 6629.1 ; SNI 04-6629.5

Colour :

- Yellow Strip Green or Light Blue or Black or Yellow or Red



Applications:

Used for fixed Installation inside appliances, switchgear and controlgear.

Note : [f] Flexible bunched wire

Packing : [C] Coil
[D] Drum

Conductor		Nominal thickness Insulation	Overall Diameter (approx)	Weight of Cable (approx) kg/km	Min. Insulation DC Resistance at 20° M.Ohm.km	Current Carrying Capacity at 30°C		Short Circuit Current Capacity at 1.0 second kA	Standard delivery length m
Nominal crosssection area sq.mm	No. of wire and Diameter mm					In Pipe A	In Air A		
1.5 f	30/0.25	0.7	3.2	23	10	15	24	0.17	100/Coil or Drum
2.5 f	50/0.25	0.8	4.0	36	9	20	32	0.29	100/Coil or Drum
4 f	56/0.3	0.8	4.6	51	8	25	41	0.46	100/Coil or Drum
6 f	84/0.3	0.8	5.2	73	7	33	53	0.69	100/Coil or Drum
10 f	84/0.4	1.0	6.5	116	7	45	72	1.15	Drum
16 f	126/0.4	1.0	8.0	180	5	61	97	1.84	Drum
25 f	196/0.4	1.2	10.1	275	4	82	128	2.88	Drum
35 f	278/0.4	1.2	11.3	385	4	102	156	4.03	Drum
50 f	398/0.4	1.4	13.4	550	4	131	195	5.75	Drum
70 f	360/0.5	1.4	15.4	750	3	164	243	8.05	Drum
95 f	475/0.5	1.6	17.7	1000	3	205	287	10.93	Drum
120 f	608/0.5	1.6	20.0	1240	3	233	342	13.80	Drum
150 f	760/0.5	1.8	21.9	1550	3	-	386	17.25	Drum
185 f	925/0.5	2	24.2	1900	3	-	441	21.28	Drum
240 f	1221/0.5	2.2	26.6	2450	3	-	525	27.60	Drum

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)

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

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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 6 re	1.0	1.8	16.7	557	9	59	48	0.69	1000/D
2 x 6 rm	1.0	1.8	17.5	587	8	59	48	0.69	1000/D
2 x 10 re	1.0	1.8	19	672	7	78	66	1.15	1000/D
2 x 10 rm	1.0	1.8	19.4	709	6	78	66	1.15	1000/D
2 x 16 rm	1.0	1.8	21.3	894	5	102	90	1.84	1000/D
2 x 25 rm	1.2	1.8	24.8	1248	5	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	27.2	1555	4	160	150	4.03	1000/D
2 x 50 rm	1.4	1.8	30.3	1952	4	187	180	5.75	1000/D
2 x 70 rm	1.4	1.9	34.5	2600	4	230	230	8.05	1000/D
2 x 95 rm	1.6	2.1	40.4	3745	4	280	275	10.93	1000/D
2 x 120 rm	1.6	2.2	43.8	4476	3	320	320	13.80	1000/D
2 x 150 rm	1.8	2.4	48.4	5418	3	355	379	17.25	500/D
2 x 185 rm	2.0	2.5	53.3	6649	3	409	430	21.28	500/D
2 x 240 rm	2.2	2.7	59.7	8524	3	472	510	27.60	500/D
2 x 300 rm	2.4	2.9	65.8	10229	3	525	590	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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	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 4 re	1.0	1.8	16.4	499	10	41	34	0.46	1000/D
3 x 4 rm	1.0	1.8	17.2	534	9	41	34	0.46	1000/D
3 x 6 re	1.0	1.8	17.5	591	9	52	44	0.69	1000/D
3 x 6 rm	1.0	1.8	18.4	638	8	52	44	0.69	1000/D
3 x 10 re	1.0	1.8	20	807	7	69	60	1.15	1000/D
3 x 10 rm	1.0	1.8	20.4	835	6	69	60	1.15	1000/D
3 x 16 rm	1.0	1.8	22.5	1159	5	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	26.2	1517	5	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	28.6	1894	4	138	130	4.03	1000/D
3 x 50 sm	1.4	1.9	30.5	2238	4	165	160	5.75	1000/D
3 x 70 sm	1.4	2.0	33.9	3007	4	205	200	8.05	1000/D
3 x 95 sm	1.6	2.2	38.9	4256	4	245	245	10.93	1000/D
3 x 120 sm	1.6	2.3	41.6	5124	3	285	285	13.80	1000/D
3 x 150 sm	1.8	2.4	45.6	6223	3	315	325	17.25	500/D
3 x 185 sm	2.0	2.6	49.4	7613	3	355	370	21.28	500/D
3 x 240 sm	2.2	2.8	54.8	9623	3	415	435	27.60	500/D
3 x 300 sm	2.4	3.0	59.7	11588	3	465	500	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)

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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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	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 2.5 re	0.8	1.8	16.4	499	10	32	25	0.29	1000/D
4 x 2.5 rm	0.8	1.8	17.2	534	9	32	25	0.29	1000/D
4 x 4 re	1.0	1.8	16.4	499	10	41	34	0.46	1000/D
4 x 4 rm	1.0	1.8	17.2	534	9	41	34	0.46	1000/D
4 x 6 re	1.0	1.8	17.5	591	9	52	44	0.69	1000/D
4 x 6 rm	1.0	1.8	18.4	638	8	52	44	0.69	1000/D
4 x 10 re	1.0	1.8	19	1075	7	69	60	1.15	1000/D
4 x 10 rm	1.0	1.8	19.4	1101	6	69	60	1.15	1000/D
4 x 16 rm	1.0	1.8	21.8	1455	5	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	25.9	2093	5	116	105	2.88	1000/D
4 x 35 rm	1.2	1.9	28.6	2602	4	138	130	4.03	1000/D
4 x 50 sm	1.4	2.0	30	3080	4	165	160	5.75	1000/D
4 x 70 sm	1.4	2.2	34.1	4093	4	205	200	8.05	1000/D
4 x 95 sm	1.6	2.4	38.7	5370	4	245	245	10.93	1000/D
4 x 120 sm	1.6	2.5	42.6	6563	3	285	285	13.80	1000/D
4 x 150 sm	1.8	2.6	46.3	7938	3	315	325	17.25	500/D
4 x 185 sm	2.0	2.8	52.2	9756	3	355	370	21.28	500/D
4 x 240 sm	2.2	3.0	58.5	12409	3	415	435	27.60	500/D
4 x 300 sm	2.4	3.2	65.4	15104	3	465	500	34.50	500/D

Copper Conductor PVC Insulated and PVC Armoured Power Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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
5 x 4 re	1.0	1.8	18.7	656	10	41	34	0.46	1000/D
5 x 4 rm	1.0	1.8	19.7	704	9	41	34	0.46	1000/D
5 x 6 re	1.0	1.8	20.1	842	9	52	44	0.69	1000/D
5 x 6 rm	1.0	1.8	21.2	857	8	52	44	0.69	1000/D
5 x 10 re	1.0	1.8	23.3	1114	7	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	23.7	1149	6	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	26.3	1498	5	89	80	1.84	1000/D
5 x 25 rm	1.2	1.8	31	2365	4	116	105	2.88	1000/D
5 x 35 rm	1.2	2.0	34.6	2803	4	138	130	4.03	1000/D
5 x 50 rm	1.4	2.2	40.4	3909	3	165	160	5.75	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)

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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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
7 x 1.5 re	0.8	1.8	15.9	458	12	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	16.4	483	11	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	16.9	508	12	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	17.5	537	11	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	18.8	609	12	15	11	0.17	1000/D
10 x 1.5 rm	0.8	1.8	19.6	642	11	15	11	0.17	1000/D
12 x 1.5 re	0.8	1.8	19.3	657	12	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	20.1	695	11	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	20.2	721	12	13	10	0.17	1000/D
14 x 1.5 rm	0.8	1.8	20.9	763	11	13	10	0.17	1000/D
16 x 1.5 re	0.8	1.8	21	785	12	12	10	0.17	1000/D
16 x 1.5 rm	0.8	1.8	21.8	831	11	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	22	857	12	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	22.8	907	11	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	22.7	924	12	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	23.7	972	11	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.8	24.2	1027	12	11	8	0.17	1000/D
24 x 1.5 rm	0.8	1.8	25.3	1087	11	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	26	1205	12	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	27.2	1277	11	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.9	28.6	1488	12	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.9	30.1	1577	11	11	8	0.17	1000/D
52 x 1.5 re	0.8	2.0	32.3	1871	12	11	8	0.17	1000/D
52 x 1.5 rm	0.8	2.0	33.9	1882	11	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.0	34	2110	12	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.0	36.6	2428	11	11	8	0.17	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/DSTA/PVC 0.6/1 kV (NYBY)



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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

Two layers of Galvanized steel tape helically applied. Nominal thickness of steel tape 0.3 mm or 0.5 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 installation as underground, outdoor, indoor in ducts and where mechanical protection is required or for higher tensile stresses during installation and operation.

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
7 x 2.5 re	0.8	1.8	17	561	10	23	13	0.29	1000/D
7 x 2.5 rm	0.8	1.8	17.8	597	9	23	13	0.29	1000/D
8 x 2.5 re	0.8	1.8	18.1	624	10	21	12	0.29	1000/D
8 x 2.5 rm	0.8	1.8	19	666	9	21	12	0.29	1000/D
10 x 2.5 re	0.8	1.8	20.3	752	10	20	11	0.29	1000/D
10 x 2.5 rm	0.8	1.8	21.4	803	9	20	11	0.29	1000/D
12 x 2.5 re	0.8	1.8	21.8	822	10	18	11	0.29	1000/D
12 x 2.5 rm	0.8	1.8	22	878	9	18	11	0.29	1000/D
14 x 2.5 re	0.8	1.8	21.7	909	10	17	10	0.29	1000/D
14 x 2.5 rm	0.8	1.8	23	971	9	17	10	0.29	1000/D
16 x 2.5 re	0.8	1.8	22.7	996	10	17	10	0.29	1000/D
16 x 2.5 rm	0.8	1.8	24	1063	9	17	10	0.29	1000/D
19 x 2.5 re	0.8	1.8	23.7	1097	10	16	9	0.29	1000/D
19 x 2.5 rm	0.8	1.8	25	1164	9	16	9	0.29	1000/D
21 x 2.5 re	0.8	1.8	24.8	1188	10	15	9	0.29	1000/D
21 x 2.5 rm	0.8	1.8	26.1	1267	9	15	9	0.29	1000/D
24 x 2.5 re	0.8	1.8	26.2	1327	10	14	8	0.29	1000/D
24 x 2.5 rm	0.8	1.8	26.3	1415	9	14	8	0.29	1000/D
30 x 2.5 re	0.8	1.9	27.9	1472	10	14	8	0.29	1000/D
30 x 2.5 rm	0.8	1.9	28.4	1677	9	14	8	0.29	1000/D
40 x 2.5 re	0.8	2.0	31.4	1965	10	14	8	0.29	1000/D
40 x 2.5 rm	0.8	2.0	33.4	2095	9	14	8	0.29	1000/D
52 x 2.5 re	0.8	2.2	36.2	2722	10	14	8	0.29	1000/D
52 x 2.5 rm	0.8	2.2	38.5	2904	9	14	8	0.29	1000/D
61 x 2.5 re	0.8	2.2	39.1	3144	10	14	8	0.29	1000/D
61 x 2.5 rm	0.8	2.2	40.6	3278	9	14	8	0.29	1000/D

Copper Conductor PVC Insulated, Concentric Copper wire Screened & PVC Sheathed Power Cable

Cu/PVC/CWS/PVC 0.6/1 kV (NYCY)

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 wire with transverse helix of annealed copper tape

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, in ducts, in the open, underground, if mechanical damage is not expected

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 of Insulation	Cross section Area of Concentric Shield	Nominal Thickness of Outer Sheath	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
							In Ground	In Air		
sq.mm	mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
2 x 1.5 re/1.5	0.8	1.5	1.8	13.5	230	12	27	21	0.17	1000/D
2 x 1.5 rm/1.5	0.8	1.5	1.8	13.9	242	11	27	21	0.17	1000/D
2 x 2.5 re/2.5	0.8	2.5	1.8	14.5	281	10	36	29	0.29	1000/D
2 x 2.5 rm/2.5	0.8	2.5	1.8	16.2	290	9	36	29	0.29	1000/D
2 x 4 re/4	1.0	4	1.8	16.8	370	10	47	38	0.46	1000/D
2 x 4 rm/4	1.0	4	1.8	17.2	395	9	47	38	0.46	1000/D
2 x 6 re/6	1.0	6	1.8	17.8	454	9	59	48	0.69	1000/D
2 x 6 rm/6	1.0	6	1.8	18.1	485	8	59	48	0.69	1000/D
2 x 10 re/10	1.0	10	1.8	19.8	635	7	78	66	1.15	1000/D
2 x 10 rm/10	1.0	10	1.8	20.2	658	6	78	66	1.15	1000/D
2 x 16 rm/16	1.0	16	1.8	22	891	5	102	90	1.84	1000/D
2 x 25 rm/16	1.2	16	1.8	25.6	1207	5	134	120	2.88	1000/D
2 x 35 rm/16	1.2	16	1.8	27.8	1476	4	180	150	4.03	1000/D
2 x 50 rm/25	1.4	25	1.9	31.3	1928	4	210	180	4.75	1000/D
2 x 70 rm/35	1.4	35	2.0	35.8	2605	4	260	230	8.05	1000/D
2 x 95 rm/50	1.6	50	2.2	40.4	3557	4	315	280	10.93	1000/D
2 x 120 rm/70	1.6	70	2.3	43.6	4376	3	320	320	13.80	1000/D
2 x 150 rm/70	1.8	70	2.4	48.5	5208	3	355	375	17.25	500/D
2 x 185 rm/95	2.0	95	2.6	53.8	6546	3	409	430	21.28	500/D
2 x 240 rm/120	2.2	120	2.8	60.6	8368	3	472	510	27.60	500/D
2 x 300 rm/150	2.4	150	3.0	67.5	10385	3	525	590	34.50	500/D

Copper Conductor PVC Insulated, Concentric Copper wire Screened & PVC Sheathed Power Cable

Cu/PVC/CWS/PVC 0.6/1 kV (NYCY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Annealed copper wire with transverse helix of Annealed copper tape

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, in ducts, in the open, underground, if mechanical damage is not expected

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
Packing : [D] Drum

No. of Cores and Cross Section Area	Nominal Thickness of Insulation	Cross section Area of Concentric Shield	Nominal Thickness of Outer Sheath	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
							In Ground	In Air		
sq.mm	mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
3 x 1.5 re/1.5	0.8	1.5	1.8	14.1	260	12	24	18	0.17	1000/D
3 x 1.5 rm/1.5	0.8	1.5	1.8	14.4	271	11	24	18	0.17	1000/D
3 x 2.5 re/2.5	0.8	2.5	1.8	14.9	322	10	32	25	0.29	1000/D
3 x 2.5 rm/2.5	0.8	2.5	1.8	15.5	339	9	32	25	0.29	1000/D
3 x 4 re/4	1.0	4	1.8	16.9	427	10	41	34	0.46	1000/D
3 x 4 rm/4	1.0	4	1.8	17.5	456	9	41	34	0.46	1000/D
3 x 6 re/6	1.0	6	1.8	18.2	535	9	52	44	0.69	1000/D
3 x 6 rm/6	1.0	6	1.8	19.1	568	8	52	44	0.69	1000/D
3 x 10 re/10	1.0	10	1.8	20.9	759	7	69	60	1.15	1000/D
3 x 10 rm/10	1.0	10	1.8	21.3	787	6	69	60	1.15	1000/D
3 x 16 rm/16	1.0	16	1.8	23.2	1068	5	89	80	1.84	1000/D
3 x 25 rm/16	1.2	16	1.8	26.8	1476	5	116	105	2.88	1000/D
3 x 35 rm/16	1.2	16	1.8	29.5	1438	4	138	130	4.03	1000/D
3 x 50 sm/25	1.4	25	1.9	29.7	2216	4	165	160	4.75	1000/D
3 x 70 sm/35	1.4	35	2.0	32.4	2985	4	205	200	8.05	1000/D
3 x 95 sm/50	1.6	50	2.2	36.6	4065	4	245	245	10.93	1000/D
3 x 120 sm/70	1.6	70	2.3	40.2	5073	3	285	285	13.80	1000/D
3 x 150 sm/70	1.8	70	2.4	43.7	6082	3	315	325	17.25	500/D
3 x 185 sm/95	2.0	95	2.6	49.4	7516	3	355	370	21.28	500/D
3 x 240 sm/120	2.2	120	2.8	54.8	9768	3	415	435	27.60	500/D
3 x 300 sm/150	2.4	150	3.0	61.3	12186	3	465	500	34.50	500/D

Copper Conductor PVC Insulated, Concentric Copper wire Screened & PVC Sheathed Power Cable

Cu/PVC/CWS/PVC 0.6/1 kV (NYCY)

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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Annealed copper wire with transverse helix of Annealed copper tape

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, in ducts, in the open, underground, if mechanical damage is not expected

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 of Insulation	Cross section Area of Concentric Shield	Nominal Thickness of Outer Sheath	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
							In Ground	In Air		
sq.mm	mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
4 x 1.5 re/1.5	0.8	1.5	1.8	14.7	236	12	24	18	0.17	1000/D
4 x 1.5 rm/1.5	0.8	1.5	1.8	15.2	249	11	24	18	0.17	1000/D
4 x 2.5 re/2.5	0.8	2.5	1.8	15.8	303	10	32	25	0.29	1000/D
4 x 2.5 rm/2.5	0.8	2.5	1.8	16.4	324	9	32	25	0.29	1000/D
4 x 4 re/4	1.0	4	1.8	18.1	428	10	41	34	0.46	1000/D
4 x 4 rm/4	1.0	4	1.8	18.9	457	9	41	34	0.46	1000/D
4 x 6 re/6	1.0	6	1.8	19.3	546	9	52	44	0.69	1000/D
4 x 6 rm/6	1.0	6	1.8	20.2	585	8	52	44	0.69	1000/D
4 x 10 re/10	1.0	10	1.8	22.7	789	7	69	60	1.15	1000/D
4 x 10 rm/10	1.0	10	1.8	22.3	817	6	69	60	1.15	1000/D
4 x 16 rm/16	1.0	16	1.8	25.3	1155	5	89	80	1.84	1000/D
4 x 25 rm/16	1.2	16	1.8	29.2	1648	5	116	105	2.88	1000/D
4 x 35 rm/16	1.2	16	1.8	31.8	2095	4	138	130	4.03	1000/D
4 x 50 sm/25	1.4	25	2.0	33.7	2664	4	165	160	5.75	1000/D
4 x 70 sm/35	1.4	35	2.1	40.2	3573	4	205	200	8.05	1000/D
4 x 95 sm/50	1.6	50	2.3	42.6	4880	4	245	245	10.93	1000/D
4 x 120 sm/70	1.6	70	2.4	47.4	6153	3	285	285	13.80	1000/D
4 x 150 sm/70	1.8	70	2.6	50.6	7377	3	315	325	17.25	500/D
4 x 185 sm/95	2.0	95	2.8	57.5	9195	3	355	370	21.28	500/D
4 x 240 sm/120	2.2	120	3.0	63.8	11865	3	415	435	27.60	500/D
4 x 300 sm/150	2.4	150	3.2	71.6	14420	3	465	500	34.50	500/D

Copper Conductor PVC Insulated, Concentric Copper wire Screened & PVC Sheathed Control Cable

Cu/PVC/CWS/PVC 0.6/1 kV (NYCY)



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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Annealed copper wire with transverse helix of Annealed copper tape

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, 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 Area	Nominal Thickness of Insulation	Cross section Area of Concentric Shield	Nominal Thickness of Outer Sheath	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
							In Ground	In Air		
sq.mm	mm	mm		mm	kg/km	M.Ohm.km	A	A	kA	m
5 x 1.5 re/2.5	0.8	2.5	1.8	16.4	361	12	19	15	0.17	1000/D
5 x 1.5 rm/2.5	0.8	2.5	1.8	16.6	372	11	19	15	0.17	1000/D
7 x 1.5 re/2.5	0.8	2.5	1.8	17	407	12	17	13	0.17	1000/D
7 x 1.5 rm/2.5	0.8	2.5	1.8	17.6	441	11	17	13	0.17	1000/D
8 x 1.5 re/2.5	0.8	2.5	1.8	18	445	12	16	12	0.17	1000/D
8 x 1.5 rm/2.5	0.8	2.5	1.8	18.7	485	11	16	12	0.17	1000/D
10 x 1.5 re/2.5	0.8	2.5	1.8	20.1	542	12	15	11	0.17	1000/D
10 x 1.5 rm/2.5	0.8	2.5	1.8	20.9	592	11	15	11	0.17	1000/D
12 x 1.5 re/2.5	0.8	2.5	1.8	20.6	594	12	14	11	0.17	1000/D
12 x 1.5 rm/2.5	0.8	2.5	1.8	21.5	649	11	14	11	0.17	1000/D
14 x 1.5 re/2.5	0.8	2.5	1.8	21.4	647	12	13	10	0.17	1000/D
14 x 1.5 rm/2.5	0.8	2.5	1.8	22.3	710	11	13	10	0.17	1000/D
16 x 1.5 re/4	0.8	4	1.8	22.7	721	12	12	10	0.17	1000/D
16 x 1.5 rm/4	0.8	4	1.8	23.3	775	11	12	10	0.17	1000/D
19 x 1.5 re/4	0.8	4	1.8	23.2	784	12	12	9	0.17	1000/D
19 x 1.5 rm/4	0.8	4	1.8	24.3	865	11	12	9	0.17	1000/D
21 x 1.5 re/6	0.8	6	1.8	24.2	866	12	11	9	0.17	1000/D
21 x 1.5 rm/6	0.8	6	1.8	25.3	955	11	11	9	0.17	1000/D
24 x 1.5 re/6	0.8	6	1.8	25.8	958	12	11	8	0.17	1000/D
24 x 1.5 rm/6	0.8	6	1.8	27	1058	11	11	8	0.17	1000/D
30 x 1.5 re/6	0.8	6	1.8	27.7	1125	12	11	8	0.17	1000/D
30 x 1.5 rm/6	0.8	6	1.8	29	1247	11	11	8	0.17	1000/D
40 x 1.5 re/10	0.8	10	1.8	30.7	1417	12	11	8	0.17	1000/D
40 x 1.5 rm/10	0.8	10	1.8	32.2	1576	11	11	8	0.17	1000/D
52 x 1.5 re/10	0.8	10	1.9	34.8	1785	12	11	8	0.17	1000/D
52 x 1.5 rm/10	0.8	10	1.9	36.5	1988	11	11	8	0.17	1000/D
61 x 1.5 re/10	0.8	10	2.0	37	2025	12	11	8	0.17	1000/D
61 x 1.5 rm/10	0.8	10	2.0	38.7	2259	11	11	8	0.17	1000/D

Copper Conductor PVC Insulated, Concentric Copper wire Screened & PVC Sheathed Control Cable

Cu/PVC/CWS/PVC 0.6/1 kV (NYCY)

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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Shield

Annealed copper wire with transverse helix of Annealed copper tape

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, 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 Area	Nominal Thickness of Insulation	Cross section Area of Concentric Shield	Nominal Thickness of Outer Sheath	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
							In Ground	In Air		
sq.mm	mm	mm		mm	kg/km	M.Ohm.km	A	A	kA	m
5 x 2.5 re/2.5	0.8	2.5	1.8	17.5	432	10	26	21	0.29	1000/D
5 x 2.5 rm/2.5	0.8	2.5	1.8	17.8	453	9	26	21	0.29	1000/D
7 x 2.5 re/2.5	0.8	2.5	1.8	18.1	514	10	23	18	0.29	1000/D
7 x 2.5 rm/2.5	0.8	2.5	1.8	18.9	564	9	23	18	0.29	1000/D
8 x 2.5 re/2.5	0.8	2.5	1.8	19.3	565	10	21	17	0.29	1000/D
8 x 2.5 rm/2.5	0.8	2.5	1.8	20.2	620	9	21	17	0.29	1000/D
10 x 2.5 re/4	0.8	4	1.8	21.6	672	10	20	16	0.29	1000/D
10 x 2.5 rm/4	0.8	4	1.8	22.7	741	9	20	16	0.29	1000/D
12 x 2.5 re/4	0.8	4	1.8	22.2	743	10	18	15	0.29	1000/D
12 x 2.5 rm/4	0.8	4	1.8	23.3	822	9	18	15	0.29	1000/D
14 x 2.5 re/6	0.8	6	1.8	23.1	818	10	17	14	0.29	1000/D
14 x 2.5 rm/6	0.8	6	1.8	24.3	907	9	17	14	0.29	1000/D
16 x 2.5 re/6	0.8	6	1.8	25.5	914	10	17	13	0.29	1000/D
16 x 2.5 rm/6	0.8	6	1.8	25.4	997	9	17	13	0.29	1000/D
19 x 2.5 re/6	0.8	6	1.8	25.2	1007	10	16	13	0.29	1000/D
19 x 2.5 rm/6	0.8	6	1.8	26.5	1122	9	16	13	0.29	1000/D
21 x 2.5 re/10	0.8	10	1.8	26.4	1153	10	15	12	0.29	1000/D
21 x 2.5 rm/10	0.8	10	1.8	27.8	1281	9	15	12	0.29	1000/D
24 x 2.5 re/10	0.8	10	1.8	28.1	1278	10	14	11	0.29	1000/D
24 x 2.5 rm/10	0.8	10	1.8	29.7	1338	9	14	11	0.29	1000/D
30 x 2.5 re/10	0.8	10	1.8	30.3	1510	10	14	11	0.29	1000/D
30 x 2.5 rm/10	0.8	10	1.8	32	1687	9	14	11	0.29	1000/D
40 x 2.5 re/10	0.8	10	1.8	34.1	1917	10	14	11	0.29	1000/D
40 x 2.5 rm/10	0.8	10	1.8	36.1	2145	9	14	11	0.29	1000/D
52 x 2.5 re/10	0.8	10	1.9	38.4	2402	10	14	11	0.29	1000/D
52 x 2.5 rm/10	0.8	10	1.9	40.7	2694	9	14	11	0.29	1000/D
61 x 2.5 re/10	0.8	10	2.0	40.5	2716	10	14	11	0.29	1000/D
61 x 2.5 rm/10	0.8	10	2.0	43	3053	9	14	11	0.29	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)

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

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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°	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 25 rm	1.2	1.8	24.9	1383	5	134	120	2.88	1000/D
2 x 35 rm	1.2	1.8	27.1	1709	4	160	150	4.03	1000/D
2 x 50 rm	1.4	1.9	30.5	2170	4	187	180	5.75	1000/D
2 x 70 rm	1.4	2.0	34.5	2846	4	230	230	8.05	1000/D
2 x 95 rm	1.6	2.1	39.2	3702	4	280	275	10.93	1000/D
2 x 120 rm	1.6	2.2	42.5	4423	3	320	320	13.80	1000/D
2 x 150 rm	1.8	2.3	46.9	5347	3	355	379	17.25	500/D
2 x 185 rm	2.0	2.5	51.8	6501	3	409	430	21.28	500/D
2 x 240 rm	2.2	2.7	58	8231	3	472	510	27.60	500/D
2 x 300 rm	2.4	2.8	64.1	10081	3	525	590	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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 conductorPacking

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°	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 16 rm	1.0	1.8	22.6	1010	5	89	80	1.84	1000/D
3 x 25 rm	1.2	1.8	26.2	1695	5	116	105	2.88	1000/D
3 x 35 rm	1.2	1.8	28.6	2084	4	138	130	4.03	1000/D
3 x 50 sm	1.4	1.9	28.1	2403	4	165	160	5.75	1000/D
3 x 70 sm	1.4	2.0	31.3	3112	4	205	200	8.05	1000/D
3 x 95 sm	1.6	2.2	35.6	4151	4	245	245	10.93	1000/D
3 x 120 sm	1.6	2.3	38.4	5041	3	285	285	13.80	1000/D
3 x 150 sm	1.8	2.4	42.2	6121	3	315	325	17.25	500/D
3 x 185 sm	2.0	2.6	46.8	7377	3	355	370	21.28	500/D
3 x 240 sm	2.2	2.8	52.3	9536	3	415	435	27.60	500/D
3 x 300 sm	2.4	3.0	57.4	11717	3	465	500	34.50	500/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)

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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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 conductorPacking

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°	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 10 re	1.0	1.8	22.2	1073	7	69	80	1.15	1000/D
4 x 10 rm	1.0	1.8	23	1101	6	69	80	1.15	1000/D
4 x 16 rm	1.0	1.8	26	1455	5	89	80	1.84	1000/D
4 x 25 rm	1.2	1.8	30	2093	5	116	105	2.88	1000/D
4 x 35 rm	1.2	1.9	33	2602	4	138	130	4.03	1000/D
4 x 50 sm	1.4	2.0	35	3080	4	165	160	5.75	1000/D
4 x 70 sm	1.4	2.1	38	4093	4	205	200	8.05	1000/D
4 x 95 sm	1.6	2.3	43	5370	4	245	245	10.93	1000/D
4 x 120 sm	1.6	2.4	47	6563	3	285	285	13.80	1000/D
4 x 150 sm	1.8	2.6	51	7938	3	315	325	17.25	500/D
4 x 185 sm	2.0	2.8	56	9756	3	355	370	21.28	500/D
4 x 240 sm	2.2	3.0	62	12409	3	415	435	27.60	500/D
4 x 300 sm	2.4	3.2	68	15104	3	465	500	34.50	300/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Power Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)



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 :

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



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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°	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 10 re	1.0	1.8	23.5	1305	7	69	60	1.15	1000/D
5 x 10 rm	1.0	1.8	24.1	1323	6	69	60	1.15	1000/D
5 x 16 rm	1.0	1.8	26.8	1750	5	89	80	1.84	1000/D
5 x 25 rm	1.2	1.9	31.3	2519	5	116	105	2.88	1000/D
5 x 35 rm	1.2	2.0	34.7	3158	4	138	130	4.03	1000/D
5 x 50 rm	1.4	2.1	39.7	4117	4	165	160	5.75	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)

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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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
7 x 1.5 re	0.8	1.8	18.6	727	12	17	13	0.17	1000/D
7 x 1.5 rm	0.8	1.8	19.2	777	11	17	13	0.17	1000/D
8 x 1.5 re	0.8	1.8	19.7	792	12	16	12	0.17	1000/D
8 x 1.5 rm	0.8	1.8	20.3	848	11	16	12	0.17	1000/D
10 x 1.5 re	0.8	1.8	21.7	929	12	15	11	0.17	1000/D
10 x 1.5 rm	0.8	1.8	22.6	997	11	15	11	0.17	1000/D
12 x 1.5 re	0.8	1.9	23	1117	12	14	11	0.17	1000/D
12 x 1.5 rm	0.8	1.8	23.8	1199	11	14	11	0.17	1000/D
14 x 1.5 re	0.8	1.8	24	1197	12	13	10	0.17	1000/D
14 x 1.5 rm	0.8	1.8	24.7	1287	11	13	10	0.17	1000/D
16 x 1.5 re	0.8	1.8	25	1310	12	12	10	0.17	1000/D
16 x 1.5 rm	0.8	1.9	25.6	1382	11	12	10	0.17	1000/D
19 x 1.5 re	0.8	1.8	26	1391	12	12	9	0.17	1000/D
19 x 1.5 rm	0.8	1.8	26.6	1504	11	12	9	0.17	1000/D
21 x 1.5 re	0.8	1.8	27	1496	12	11	9	0.17	1000/D
21 x 1.5 rm	0.8	1.8	27.7	1611	11	11	9	0.17	1000/D
24 x 1.5 re	0.8	1.9	28.2	1629	12	11	9	0.17	1000/D
24 x 1.5 rm	0.8	1.8	29.3	1766	11	11	8	0.17	1000/D
30 x 1.5 re	0.8	1.8	30	1857	12	11	8	0.17	1000/D
30 x 1.5 rm	0.8	1.8	31.4	2020	11	11	8	0.17	1000/D
40 x 1.5 re	0.8	1.9	33.7	2420	12	11	8	0.17	1000/D
40 x 1.5 rm	0.8	1.9	35.2	2635	11	11	9	0.17	1000/D
52 x 1.5 re	0.8	2.0	37.6	2932	12	11	8	0.17	1000/D
52 x 1.5 rm	0.8	2.0	39.3	3190	11	11	8	0.17	1000/D
61 x 1.5 re	0.8	2.1	39.5	3215	12	11	8	0.17	1000/D
61 x 1.5 rm	0.8	2.1	41.3	3518	11	11	8	0.17	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Armoured Control Cable

Cu/PVC/SFA/PVC 0.6/1 kV (NYFGbY)



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 :

- Black, with White printed number



Inner Covering / filler

Extruded Polyvinyl Chloride (PVC), Black colour

Armour

A layers of Galvanized flat steel wires 4 x 0.8 mm with a counter helix layer of galvanized steel tape.

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 general purpose power distribution in dry or wet location, best suitable for direct burying in ground.

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°	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	19.7	848	10	26	21	0.29	1000/D
7 x 2.5 rm	0.8	1.8	20.6	918	9	26	21	0.29	1000/D
8 x 2.5 re	0.8	1.8	21	928	10	23	18	0.29	1000/D
8 x 2.5 rm	0.8	1.8	21.8	1007	9	23	18	0.29	1000/D
10 x 2.5 re	0.8	1.8	24	1228	10	21	17	0.29	1000/D
10 x 2.5 rm	0.8	1.8	25.2	1332	9	21	17	0.29	1000/D
12 x 2.5 re	0.8	1.8	24.6	1317	10	20	16	0.29	1000/D
12 x 2.5 rm	0.8	1.8	25.7	1431	9	20	16	0.29	1000/D
14 x 2.5 re	0.8	1.8	25.4	1421	10	18	15	0.29	1000/D
14 x 2.5 rm	0.8	1.8	26.7	1548	9	18	15	0.29	1000/D
16 x 2.5 re	0.8	1.8	26.9	1561	10	17	14	0.29	1000/D
16 x 2.5 rm	0.8	1.8	27.7	1671	9	17	14	0.29	1000/D
19 x 2.5 re	0.8	1.8	27.5	1675	10	17	13	0.29	1000/D
19 x 2.5 rm	0.8	1.8	28.9	1833	9	17	13	0.29	1000/D
21 x 2.5 re	0.8	1.8	28.6	1800	10	16	12	0.29	1000/D
21 x 2.5 rm	0.8	1.8	30.2	1973	9	16	12	0.29	1000/D
24 x 2.5 re	0.8	1.8	30.4	1980	10	15	11	0.29	1000/D
24 x 2.5 rm	0.8	1.8	31.9	2173	9	15	11	0.29	1000/D
30 x 2.5 re	0.8	1.9	32.5	2280	10	14	11	0.29	1000/D
30 x 2.5 rm	0.8	1.9	35.5	2823	9	14	11	0.29	1000/D
40 x 2.5 re	0.8	2.0	37.3	3167	10	14	11	0.29	1000/D
40 x 2.5 rm	0.8	2.0	39.5	3389	9	14	11	0.29	1000/D
52 x 2.5 re	0.8	2.1	41.6	3704	10	14	11	0.29	1000/D
52 x 2.5 rm	0.8	2.1	43.2	4002	9	14	11	0.29	1000/D
61 x 2.5 re	0.8	2.2	43.9	4121	10	14	11	0.29	1000/D
61 x 2.5 rm	0.8	2.2	46.3	4970	9	14	11	0.29	1000/D

Copper Conductor PVC Insulated and PVC Sheathed Indoor Cable

Cu/PVC/PVC 300/500 V (NYM)

Specification :
SNI 04-6629.4 : 2006



Constructions:

Conductor

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

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI 6629.1 ; SNI 04-6629.4

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 ST4 to SNI 04-6629.4. White colour.

Applications:

Permanent Installation in conduit under plaster or exposed wiring in dry location.

Note : [re] round solid conductor
[rm] circular stranded conductor

Packing : [C] Coil
[D] Drum

No. of cores and cross section area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity in air		Short Circuit Current Capacity at 1.0 Second	Standard delivery length
	Insulation	Outer Sheath				30°C Second	40°C Second		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
2 x 1.5 re	0.7	1.2	8.8	112	12	19	16	0.17	100/Coil or Drum
2 x 1.5 rm	0.7	1.2	9.1	119	11	19	16	0.17	100/Coil or Drum
2 x 2.5 re	0.8	1.2	9.6	145	10	25	22	0.29	100/Coil or Drum
2 x 2.5 rm	0.8	1.2	10.1	157	9	25	22	0.29	100/Coil or Drum
2 x 4 re	0.8	1.2	11.3	209	10	34	30	0.46	100/Coil or Drum
2 x 4 rm	0.8	1.2	11.9	227	9	34	30	0.46	100/Coil or Drum
2 x 6 re	0.8	1.2	12.3	267	9	44	39	0.69	Drum
2 x 6 rm	0.8	1.2	13.1	291	8	44	39	0.69	Drum
2 x 10 re	1.0	1.4	16	435	7	61	53	1.15	Drum
2 x 10 rm	1.0	1.4	17.1	453	6	61	53	1.15	Drum
2 x 16 rm	1.0	1.4	18.2	621	5	82	71	1.84	Drum
2 x 25 rm	1.2	1.4	22.3	958	5	108	94	2.88	Drum
2 x 35 rm	1.2	1.6	24.9	1249	4	134	117	4.03	Drum

Copper Conductor PVC Insulated and PVC Sheathed Indoor Cable

Cu/PVC/PVC 300/500 V (NYM)



Specification :
SNI 04-6629.4 : 2006

Constructions:

Conductor

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

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI 6629.1 ; SNI 04-6629.4

Colour three cores :

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



Colour four cores :

- Yellow Strip Green, Brown, Black and Grey
- Light Blue, 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 ST4 to SNI 04-6629.4. White colour.

Applications :

Permanent Installation in conduit under plaster or exposed wiring in dry location.

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

Packing : [C] Coil
[D] Drum

No. of cores and cross section area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity in air		Short Circuit Current Capacity at 1.0 second	Standard delivery length
	Insulation	Outer Sheath				30°C	40°C		
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
3 x 1.5 re	0.7	1.2	9.2	132	12	19	16	0.17	100/Coil or Drum
3 x 1.5 rm	0.7	1.2	9.6	140	11	19	16	0.17	100/Coil or Drum
3 x 2.5 re	0.8	1.2	10.1	175	10	25	22	0.29	100/Coil or Drum
3 x 2.5 rm	0.8	1.2	10.6	188	9	25	22	0.29	100/Coil or Drum
3 x 4 re	0.8	1.2	11.9	254	10	34	30	0.46	100/Coil or Drum
3 x 4 rm	0.8	1.2	12.6	274	9	34	30	0.46	100/Coil or Drum
3 x 6 re	0.8	1.4	12.9	538	9	61	53	1.15	Drum
3 x 6 rm	0.8	1.4	13	331	8	44	39	0.69	Drum
3 x 10 re	1.0	1.4	15.8	359	7	44	39	0.69	Drum
3 x 10 rm	1.0	1.4	17	562	6	61	53	1.15	Drum
3 x 16 rm	1.0	1.4	19.2	784	5	82	71	1.84	Drum
3 x 25 rm	1.2	1.6	23.6	1214	5	108	94	2.88	Drum
3 x 35 rm	1.2	1.6	26.4	1593	4	134	117	4.03	Drum
4 x 1.5 re	0.7	1.2	9.9	159	12	19	16	0.17	100/Coil or Drum
4 x 1.5 rm	0.7	1.2	10.3	169	11	19	16	0.17	100/Coil or Drum
4 x 2.5 re	0.8	1.2	10.9	214	10	25	22	0.29	100/Coil or Drum
4 x 2.5 rm	0.8	1.2	11.5	230	9	25	22	0.29	100/Coil or Drum
4 x 4 re	0.8	1.4	12.9	313	10	34	30	0.46	100/Coil or Drum
4 x 4 rm	0.8	1.4	13.6	338	9	34	30	0.46	100/Coil or Drum
4 x 6 re	0.8	1.4	14.1	411	9	44	39	0.69	Drum
4 x 6 rm	0.8	1.4	15	446	8	44	39	0.69	Drum
4 x 10 re	1.0	1.4	17.8	673	7	61	53	1.15	Drum
4 x 10 rm	1.0	1.4	18.5	701	6	61	53	1.15	Drum
4 x 16 rm	1.0	1.4	21	987	5	82	71	1.84	Drum
4 x 25 rm	1.2	1.6	25.9	1530	5	108	94	2.88	Drum
4 x 35 rm	1.2	1.6	28.9	2014	4	134	117	4.03	Drum

Copper Conductor PVC Insulated and PVC Sheathed Indoor Cable

Cu/PVC/PVC 300/500 V (NYM)

Specification :
SNI 04-6629.4 : 2006



Constructions:

Conductor

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

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with SNI 6629.1 ; SNI 04-6629.4

Colour five cores :

- Yellow Strip Green, Light Blue, 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 ST4 to SNI 04-6629.4. White colour.

Applications:

Permanent Installation in conduit under plaster or exposed wiring in dry location.

Note : [re] round solid conductor
[rm] circular stranded conductor

Packing : [C] Coil
[D] Drum

No. of cores and cross section area	Nominal Thickness		Overall Diameter (approx)	Weight of Cable (approx)	Min. Insulation DC Resistance at 20°	Current Carrying Capacity in air		Short Circuit Current Capacity at	Standard delivery length
	Insulation	Outer Sheath				30°C	40°C	1.0 second	
sq.mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
5 x 1.5 re	0.7	1.2	10.7	189	12	19	16	0.17	100/Coil or Drum
5 x 1.5 rm	0.7	1.2	11.1	201	11	19	16	0.17	100/Coil or Drum
5 x 2.5 re	0.8	1.2	11.8	256	10	25	22	0.29	100/Coil or Drum
5 x 2.5 rm	0.8	1.2	12.5	276	9	25	22	0.29	100/Coil or Drum
5 x 4 re	0.8	1.4	14	377	10	34	30	0.46	100/Coil or Drum
5 x 4 rm	0.8	1.4	14.8	407	9	34	30	0.46	100/Coil or Drum
5 x 6 re	0.8	1.4	15.4	499	9	44	39	0.69	Drum
5 x 6 rm	0.8	1.4	16.4	540	8	44	39	0.69	Drum
5 x 10 re	1.0	1.4	19.5	827	7	61	53	1.15	Drum
5 x 10 rm	1.0	1.4	20.2	854	6	61	53	1.15	Drum
5 x 16 rm	1.0	1.6	23	1208	5	82	71	1.84	Drum
5 x 25 rm	1.2	1.6	28.3	1874	4	108	94	2.88	Drum
5 x 35 rm	1.2	1.6	31.7	2471	4	134	117	4.03	Drum

Cu/PVC/PVC-f 300/500 V (NYMHY)

Specification :
SNI 04-6629.5 : 2006

**Constructions:****Conductor**

Annealed plain copper wires bunch, according to SNI IEC 60228

Insulation

Extruded layer of Polyvinyl Chloride (PVC) complied with
SNI 6629.1 ; SNI 04-6629.5

Colour two cores :

- Light Blue, Brown



Colour three cores :

- Yellow Strip Green, Light Blue and Brown

- Brown, Black And Grey



Colour four cores :

- Yellow Strip Green, Brown, Black and Grey

- Light Blue, Brown, Black and Grey



Colour five cores :

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

**Outer Sheath**

The Outer Sheath shall be a layer of Extruded Polyvinyl Chloride (PVC)
Grade ST5 to SNI 04-6629.4. White colour.

Applications:

These cables are useful for use in dry or damp locations for medium
duites in domestic premises, kitchens, offices, washing machines,
refrigerators, etc. Can be used for cooking and heating appliances
provided that the cable does not come in contact with the hot parts.

Note : [f] Flexible bunched wire

Packing : [C] Coil

Conductor		Nominal thickness		Overall Diameter (approx)	Weight of Cable radius	Min. Insulation DC Resistance at 20°	Current Carrying Capacity in air		Short Circuit Current Capacity at 1.0 sec	Standard delivery length
No. of cores and cross section area	No. of wire and Diameter of wire	Insulation	Outer Sheath				30°C	40°C		
sq.mm	mm	mm	mm	mm	kg/km	M.Ohm.km	A	A	kA	m
2 x 0.75 f	24/0.20	0.6	0.8	6.5	56	11	6	5.5	0.09	100/Coil
2 x 1.0 f	32/0.20	0.6	0.8	6.7	66	10	10	9.2	0.12	100/Coil
2 x 1.5 f	30/0.25	0.7	0.8	7.7	90	10	15	13.8	0.17	100/Coil
2 x 2.5 f	50/0.25	0.8	1.0	9.4	140	9	20	18.4	0.29	100/Coil
3 x 0.75 f	24/0.20	0.6	0.8	6.8	77	11	6	5.5	0.09	100/Coil
3 x 1.0 f	32/0.20	0.6	0.8	7.1	90	10	10	9.2	0.12	100/Coil
3 x 1.5 f	30/0.25	0.7	0.9	8.3	147	10	15	13.8	0.17	100/Coil
3 x 2.5 f	50/0.25	0.8	1.1	10.2	190	9	20	18.4	0.29	100/Coil
4 x 0.75 f	24/0.20	0.6	0.8	7.4	96	11	6	5.5	0.09	100/Coil
4 x 1.0 f	32/0.20	0.6	0.9	8	121	10	10	9.2	0.12	100/Coil
4 x 1.5 f	30/0.25	0.7	1.0	9.1	167	10	15	13.8	0.17	100/Coil
4 x 2.5 f	50/0.25	0.8	1.1	11.2	237	9	20	18.4	0.29	100/Coil
5 x 0.75 f	24/0.20	0.6	0.9	8.3	116	11	6	5.5	0.09	100/Coil
5 x 1.0 f	32/0.20	0.6	0.9	8.7	139	10	10	9.2	0.12	100/Coil
5 x 1.5 f	30/0.25	0.7	1.1	10.3	194	10	15	13.8	0.17	100/Coil
5 x 2.5 f	50/0.25	0.8	1.2	12.4	291	9	20	18.4	0.29	100/Coil