

N2XSKY 1 x (25-630) mm² 3.6/6 kV

Cu / XLPE/ CTS / PVC / LS / PVC

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

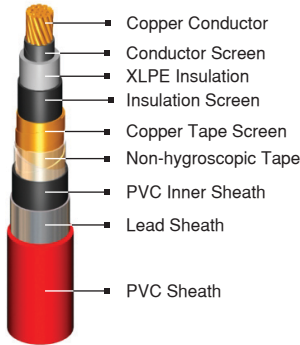
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	22.0	1,429
35	23.5	1,610
50	24.5	1,794
70	26.5	2,203
95	28.5	2,558
120	30.0	2,991
150	31.5	3,312
185	33.5	3,783
240	37.0	4,682
300	40.0	5,582
400	43.5	6,742
500	48.0	8,289
630	52.0	10,092

Application :
For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

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 - 185 sqmm supplied in wooden drum @ 1000 m

240 - 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	0.445	0.491	170	153	174	157	3.58	1.14
35	0.524	0.668	0.424	0.470	207	183	212	188	5.01	1.14
50	0.387	0.494	0.406	0.452	246	216	253	221	7.15	1.14
70	0.268	0.342	0.385	0.432	308	264	316	271	10.01	1.14
95	0.193	0.247	0.369	0.415	374	316	384	323	13.59	1.14
120	0.153	0.196	0.357	0.403	432	358	443	367	17.16	1.14
150	0.124	0.159	0.344	0.390	491	402	503	411	21.45	1.14
185	0.0991	0.128	0.335	0.381	561	452	575	462	26.46	1.14
240	0.0754	0.098	0.327	0.373	665	522	680	532	34.32	1.14
300	0.0601	0.079	0.321	0.367	761	586	776	596	42.90	1.14
400	0.0470	0.063	0.311	0.358	881	664	897	673	57.20	1.14
500	0.0366	0.050	0.306	0.352	1015	745	1028	752	71.50	1.14
630	0.0283	0.041	0.297	0.344	1155	831	1165	834	90.09	1.14

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

N2XSKY 1 x (25-630) mm 6/10 kV

Cu / XLPE/ CTS / PVC / LS / PVC

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

Construction Data

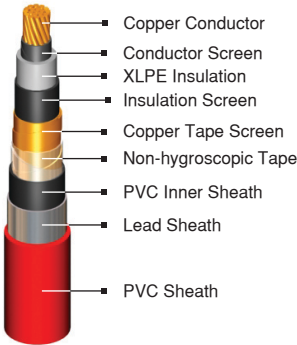
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	24.5	1,596
35	25.5	1,770
50	27.0	2,049
70	28.5	2,377
95	30.5	2,843
120	32.0	3,129
150	34.0	3,621
185	36.0	4,140
240	38.5	4,989
300	41.0	5,664
400	44.5	6,847
500	48.5	8,346
630	52.5	10,152

Application :
For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

- 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 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 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 Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
	Max.	Max.			in air	in ground	in air	in ground		
	(Ω/km)	(Ω/km)			Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.463	0.509	172	153	176	157	3.58	1.14
35	0.524	0.668	0.439	0.485	208	183	213	188	5.01	1.14
50	0.387	0.494	0.424	0.470	249	216	255	221	7.15	1.14
70	0.268	0.342	0.399	0.445	310	264	318	270	10.01	1.14
95	0.193	0.247	0.384	0.430	377	315	386	323	13.59	1.14
120	0.153	0.196	0.368	0.414	433	358	444	366	17.16	1.14
150	0.124	0.159	0.358	0.404	494	401	505	410	21.45	1.14
185	0.0991	0.128	0.349	0.395	566	452	579	461	26.46	1.14
240	0.0754	0.098	0.337	0.383	667	522	682	532	34.32	1.14
300	0.0601	0.079	0.326	0.373	761	586	776	596	42.90	1.14
400	0.0470	0.063	0.315	0.361	882	664	897	673	57.20	1.14
500	0.0366	0.050	0.308	0.354	1015	746	1028	752	71.50	1.14
630	0.0283	0.041	0.299	0.345	1156	832	1165	834	90.09	1.14

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

N2XSKY 1 x (25-630) mm² 8.7/15 kV

Cu / XLPE/ CTS / PVC / LS / PVC

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

Construction Data

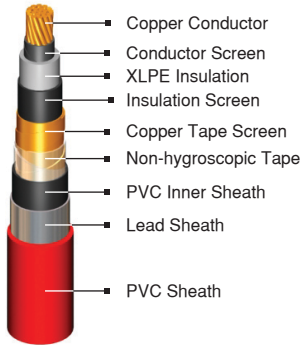
Nom. Cross Section Area	Overall Diameter approx.	Cable Weight approx.
mm²	mm	kg/km
25	27.0	1,887
35	28.0	2,070
50	29.5	2,276
70	31.0	2,656
95	33.0	3,039
120	35.0	3,537
150	36.5	3,938
185	38.5	4,532
240	41.0	5,212
300	43.5	6,095
400	47.5	7,376
500	51.0	8,844
630	55.0	10,684

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

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 - 150 sqmm supplied in wooden drum @ 1000 m

185 - 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		
			(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	0.727	0.927	0.484	0.530	173	153	178	156	3.58	1.14
35	0.524	0.668	0.459	0.505	210	183	215	187	5.01	1.14
50	0.387	0.494	0.442	0.488	250	215	256	220	7.15	1.14
70	0.268	0.342	0.416	0.462	312	264	319	270	10.01	1.14
95	0.193	0.247	0.399	0.445	378	314	387	322	13.59	1.14
120	0.153	0.196	0.387	0.433	438	357	448	365	17.16	1.14
150	0.124	0.159	0.375	0.421	497	400	508	409	21.45	1.14
185	0.0991	0.128	0.363	0.410	569	451	581	460	26.46	1.14
240	0.0754	0.098	0.349	0.395	668	522	682	531	34.32	1.14
300	0.0601	0.079	0.339	0.385	763	586	777	595	42.90	1.14
400	0.0470	0.063	0.328	0.375	886	663	899	671	57.20	1.14
500	0.0366	0.050	0.318	0.365	1015	745	1027	751	71.50	1.14
630	0.0283	0.041	0.309	0.355	1156	832	1164	833	90.09	1.14

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

N2XSKY 1 x (35-630) mm² 12/20 kV

Cu / XLPE/ CTS / PVC / LS / PVC

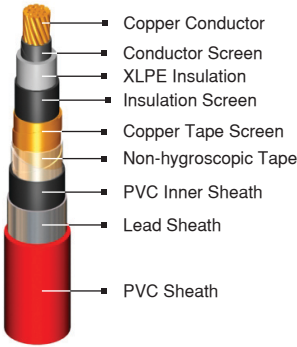
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	30.5	2,374
50	31.5	2,525
70	33.5	2,984
95	35.5	3,414
120	37.5	3,782
150	39.0	4,293
185	40.5	4,730
240	43.5	5,617
300	46.0	6,523
400	50.0	7,682
500	53.5	9,168
630	57.5	11,028

Application :
For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

- 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 - 120 sqmm supplied in wooden drum @ 1000 m
150 - 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. (mm ²)	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		
			(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
35	0.524	0.668	0.476	0.522	212	183	217	187	5.01	1.14
50	0.387	0.494	0.456	0.502	252	215	257	220	7.15	1.14
70	0.268	0.342	0.431	0.477	314	263	321	269	10.01	1.14
95	0.193	0.247	0.414	0.461	381	314	390	321	13.59	1.14
120	0.153	0.196	0.399	0.446	439	357	448	364	17.16	1.14
150	0.124	0.159	0.387	0.433	499	400	510	408	21.45	1.14
185	0.0991	0.127	0.374	0.420	569	451	581	460	26.46	1.14
240	0.0754	0.098	0.360	0.407	669	521	682	530	34.32	1.14
300	0.0601	0.079	0.350	0.396	764	585	777	594	42.90	1.14
400	0.0470	0.063	0.338	0.384	885	663	898	670	57.20	1.14
500	0.0366	0.050	0.327	0.373	1015	745	1026	750	71.50	1.14
630	0.0283	0.040	0.317	0.363	1156	832	1162	833	90.09	1.14

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

N2XSKY 1 x (50-630) mm² 18/30 kV

Cu / XLPE/ CTS / PVC / LS / PVC

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

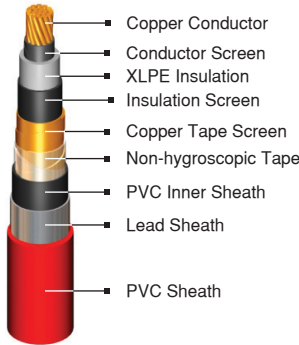
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	38.0	3,382
70	39.5	3,769
95	41.0	4,099
120	43.0	4,619
150	44.5	5,029
185	47.0	5,762
240	49.5	6,553
300	52.0	7,486
400	56.0	8,817
500	59.5	10,374
630	63.5	12,395

Application :
For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

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 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 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		
			(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.493	0.539	255	215	261	219	7.15	1.14
70	0.268	0.342	0.465	0.511	317	262	324	268	10.01	1.14
95	0.193	0.247	0.444	0.490	383	313	391	320	13.59	1.14
120	0.153	0.196	0.428	0.475	441	356	450	363	17.16	1.14
150	0.124	0.159	0.413	0.460	500	399	510	407	21.45	1.14
185	0.0991	0.127	0.403	0.449	572	449	583	457	26.46	1.14
240	0.0754	0.097	0.387	0.433	672	519	683	528	34.32	1.14
300	0.0601	0.078	0.375	0.421	766	584	778	592	42.90	1.14
400	0.0470	0.062	0.360	0.407	884	661	895	667	57.20	1.14
500	0.0366	0.050	0.348	0.394	1013	744	1021	747	71.50	1.14
630	0.0283	0.040	0.338	0.384	1155	830	1158	828	90.09	1.14

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