

N2XSKB(AL)Y 1 x (25-630) mm² 3.6/6 kV

Cu / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

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

Construction Data

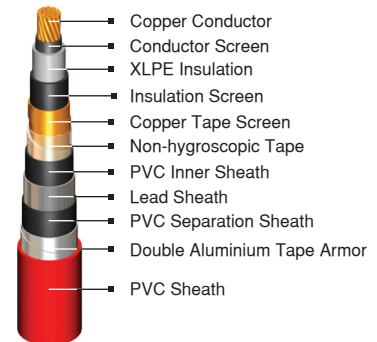
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	25.5	1,642
35	27.0	1,823
50	28.0	2,016
70	30.0	2,443
95	32.0	2,826
120	33.5	3,261
150	35.5	3,626
185	37.0	4,098
240	40.5	5,027
300	43.5	5,974
400	47.5	7,194
500	52.0	8,785
630	56.5	10,677

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 low mechanical damage may 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



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

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
					in air	in ground	in air	in ground		
Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)	
25	0.727	0.927	0.474	0.521	171	155	175	158	3.58	1.14
35	0.524	0.668	0.450	0.496	207	185	212	189	5.01	1.14
50	0.387	0.494	0.431	0.478	246	218	252	222	7.15	1.14
70	0.268	0.342	0.409	0.455	308	266	315	272	10.01	1.14
95	0.193	0.247	0.392	0.438	372	317	381	324	13.59	1.14
120	0.153	0.196	0.378	0.424	429	360	439	367	17.16	1.14
150	0.124	0.159	0.367	0.413	486	402	497	410	21.45	1.14
185	0.0991	0.128	0.355	0.401	555	453	566	460	26.46	1.14
240	0.0754	0.098	0.345	0.392	653	521	664	528	34.32	1.14
300	0.0601	0.079	0.339	0.385	744	584	754	590	42.90	1.14
400	0.0470	0.063	0.328	0.375	858	659	867	663	57.20	1.14
500	0.0366	0.050	0.322	0.368	980	737	985	737	71.50	1.14
630	0.0283	0.041	0.313	0.360	1111	818	1109	811	90.09	1.14

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

N2XSKB(AL)Y 1 x (25-630) mm² 6/10 kV

Cu / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

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

Construction Data

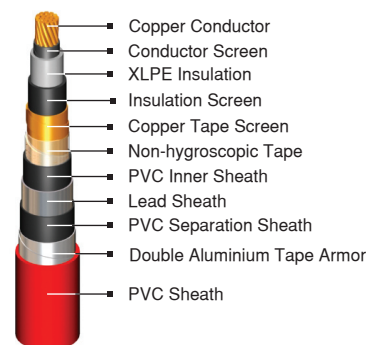
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	27.5	1,815
35	29.0	2,012
50	30.0	2,291
70	32.0	2,648
95	34.0	3,116
120	35.5	3,447
150	37.5	3,940
185	39.5	4,496
240	42.5	5,390
300	44.5	6,068
400	48.5	7,329
500	52.5	8,869
630	56.5	10,742

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 low mechanical damage may 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



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

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
					in air	in ground	in air	in ground		
Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)	
25	0.727	0.927	0.488	0.535	172	154	176	157	3.58	1.14
35	0.524	0.668	0.465	0.511	208	184	213	188	5.01	1.14
50	0.387	0.494	0.447	0.493	248	217	254	222	7.15	1.14
70	0.268	0.342	0.422	0.468	309	265	316	271	10.01	1.14
95	0.193	0.247	0.405	0.451	375	317	383	323	13.59	1.14
120	0.153	0.196	0.390	0.436	430	359	439	365	17.16	1.14
150	0.124	0.159	0.378	0.424	489	402	499	409	21.45	1.14
185	0.0991	0.127	0.369	0.415	557	452	567	459	26.46	1.14
240	0.0754	0.098	0.356	0.403	654	520	665	527	34.32	1.14
300	0.0601	0.079	0.344	0.390	745	584	755	590	42.90	1.14
400	0.0470	0.063	0.333	0.379	858	658	867	662	57.20	1.14
500	0.0366	0.050	0.324	0.370	980	736	984	736	71.50	1.14
630	0.0283	0.041	0.315	0.361	1111	818	1109	811	90.09	1.14

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

N2XSKB(AL)Y 1 x (25-630) mm² 8.7/15 kV

Cu / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

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

Construction Data

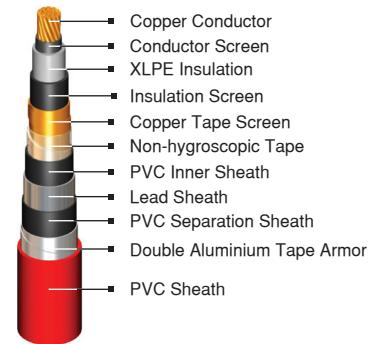
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
25	30.0	2,129
35	31.5	2,322
50	32.5	2,539
70	35.0	2,966
95	36.5	3,348
120	38.5	3,884
150	40.0	4,283
185	42.5	4,933
240	45.0	5,636
300	47.5	6,545
400	51.5	7,867
500	55.0	9,396
630	59.5	11,331

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 low mechanical damage may 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



Note :

Conductor Shape

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

Standard Packing

25 - 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

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor Max. (kA)	Screen Max. (kA)
			(mH/km)	(mH/km)	in air Max. (A)	in ground Max. (A)	in air Max. (A)	in ground Max. (A)		
25	0.727	0.927	0.507	0.553	173	154	177	157	3.58	1.14
35	0.524	0.668	0.481	0.527	210	184	214	188	5.01	1.14
50	0.387	0.494	0.463	0.509	250	217	255	221	7.15	1.14
70	0.268	0.342	0.439	0.485	311	265	317	270	10.01	1.14
95	0.193	0.247	0.419	0.465	375	316	383	322	13.59	1.14
120	0.153	0.196	0.407	0.453	432	358	440	364	17.16	1.14
150	0.124	0.159	0.393	0.439	490	401	499	407	21.45	1.14
185	0.0991	0.127	0.383	0.429	559	451	568	458	26.46	1.14
240	0.0754	0.098	0.367	0.413	655	520	665	526	34.32	1.14
300	0.0601	0.079	0.356	0.403	746	583	755	588	42.90	1.14
400	0.0470	0.062	0.344	0.391	859	657	866	660	57.20	1.14
500	0.0366	0.050	0.334	0.380	981	736	984	734	71.50	1.14
630	0.0283	0.040	0.325	0.371	1111	817	1107	809	90.09	1.14

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

N2XSKB(AL)Y 1 x (35-630) mm² 12/20 kV

Cu / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

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

Construction Data

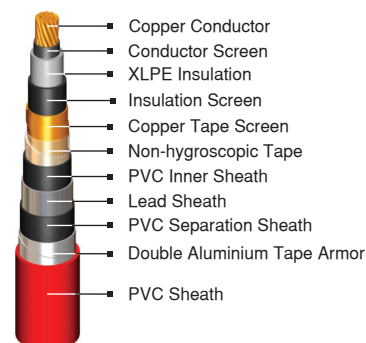
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
35	34.0	2,647
50	35.0	2,837
70	37.0	3,301
95	39.0	3,766
120	41.0	4,151
150	43.0	4,698
185	44.5	5,131
240	47.5	6,066
300	50.0	6,998
400	54.0	8,219
500	57.5	9,743
630	62.0	11,700

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 low mechanical damage may 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



Note :

Conductor Shape

35 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 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)	(mH/km)	(mH/km)	in air	in ground	in air	in ground		
35	0.524	0.668	0.496	0.543	211	184	216	188	5.01	1.14
50	0.387	0.494	0.478	0.524	251	216	256	220	7.15	1.14
70	0.268	0.342	0.451	0.497	312	264	318	270	10.01	1.14
95	0.193	0.247	0.434	0.481	377	315	384	321	13.59	1.14
120	0.153	0.196	0.418	0.465	433	357	441	363	17.16	1.14
150	0.124	0.159	0.406	0.452	491	400	500	406	21.45	1.14
185	0.0991	0.127	0.391	0.438	559	450	569	457	26.46	1.14
240	0.0754	0.098	0.378	0.424	656	519	666	525	34.32	1.14
300	0.0601	0.078	0.367	0.413	747	582	756	587	42.90	1.14
400	0.0470	0.062	0.354	0.400	859	656	865	659	57.20	1.14
500	0.0366	0.050	0.342	0.388	981	735	984	733	71.50	1.14
630	0.0283	0.040	0.332	0.379	1111	816	1107	808	90.09	1.14

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

N2XSKB(AL)Y 1 x (50-630) mm² 18/30 kV

Cu / XLPE/ CTS / PVC / LS / PVC / DATA / PVC

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

Construction Data

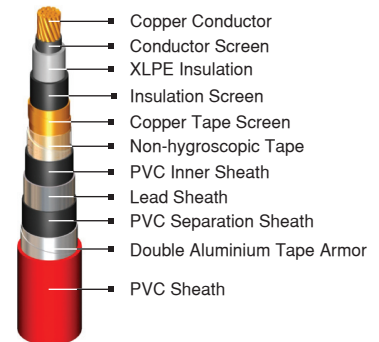
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
50	41.5	3,774
70	43.5	4,161
95	45.0	4,525
120	47.0	5,064
150	48.5	5,511
185	51.0	6,247
240	53.5	7,089
300	56.5	8,071
400	60.0	9,445
500	63.5	11,040
630	68.0	13,139

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 low mechanical damage may 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



Note :

Conductor Shape

50 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 sqmm supplied in wooden drum @ 1000 m

70 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance		Current - Carrying Capacity at 30° C *				Short circuit current at 1 sec	
	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	⊗⊗⊗		⊙⊙⊙		Conductor	Screen
					in air	in ground	in air	in ground		
	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
50	0.387	0.494	0.512	0.559	253	215	258	219	7.15	1.14
70	0.268	0.342	0.483	0.529	314	263	320	268	10.01	1.14
95	0.193	0.247	0.462	0.508	378	314	385	319	13.59	1.14
120	0.153	0.196	0.446	0.492	435	356	442	362	17.16	1.14
150	0.124	0.159	0.431	0.477	492	399	500	405	21.45	1.14
185	0.0991	0.127	0.419	0.465	560	448	569	454	26.46	1.14
240	0.0754	0.097	0.403	0.449	656	517	664	522	34.32	1.14
300	0.0601	0.078	0.391	0.437	746	579	753	583	42.90	1.14
400	0.0470	0.062	0.375	0.422	858	654	863	654	57.20	1.14
500	0.0366	0.050	0.362	0.408	979	732	980	728	71.50	1.14
630	0.0283	0.040	0.352	0.398	1108	813	1101	802	90.09	1.14

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