N2XSB(AL)Y 1 x (25-630) mm² 3.6/6 kV

N2XSB(AL)Y-1 core CU XLPE PVC with ATA armor

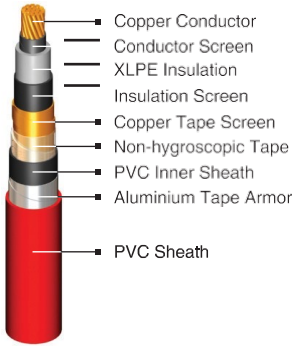
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed) *Standard Specification : IEC 60502-2*

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	21.5	729
35	22.5	856
50	23.5	998
70	25.5	1,244
95	27.0	1,531
120	28.5	1,804
150	30.0	2,058
185	32.0	2,451
240	35.0	3,077
300	37.5	3,720
400	41.0	4,554
500	45.5	5,715
630	49.0	7,136

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short current circuit at 1 sec	
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation (mH/km)	Flat formation (mH/km)	in air Max. (A)	in ground Max. (A)	in air Max. (A)	in ground Max. (A)	Conductor Max. (kA)	Screen Max. (kA)
25	0.727	0.927	0.437	0.484	164	153	168	157	3.58	1.14
35	0.524	0.668	0.415	0.461	199	183	204	188	5.01	1.14
50	0.387	0.494	0.398	0.444	237	216	243	221	7.15	1.14
70	0.268	0.342	0.374	0.421	296	264	304	270	10.01	1.14
95	0.193	0.247	0.358	0.404	360	316	369	323	13.59	1.14
120	0.153	0.196	0.346	0.392	416	358	426	366	17.16	1.14
150	0.124	0.159	0.334	0.380	473	402	484	410	21.45	1.14
185	0.0991	0.128	0.325	0.371	541	453	554	462	26.46	1.14
240	0.0754	0.098	0.316	0.362	639	523	654	533	34.32	1.14
300	0.0601	0.079	0.309	0.356	733	588	748	598	42.90	1.14
400	0.0470	0.063	0.300	0.346	851	667	868	677	57.20	1.14
500	0.0366	0.051	0.294	0.341	979	751	997	760	71.50	1.14
630	0.0283	0.041	0.286	0.332	1120	840	1136	848	90.09	1.14

N2XSB(AL)Y 1 x (25-630) mm² 6/10 kV

N2XSB(AL)Y-1 core CU XLPE PVC with ATA armor

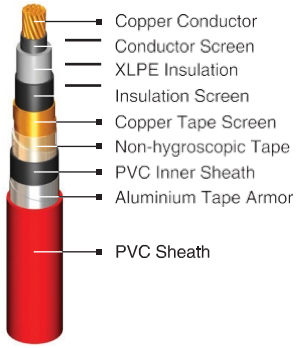
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	23.5	812
35	24.5	941
50	25.5	1,086
70	27.0	1,337
95	29.0	1,641
120	30.5	1,862
150	32.0	2,175
185	34.0	2,589
240	36.5	3,196
300	39.0	3,762
400	42.0	4,631
500	46.0	5,767
630	49.5	7,192

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short current circuit at 1 sec	
					in air	in ground	in air	in ground		
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation (mH/km)	Flat formation (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Conductor Max. (kA)	Screen Max. (kA)
25	0.727	0.927	0.454	0.500	166	153	170	156	3.58	1.14
35	0.524	0.668	0.431	0.477	201	183	206	187	5.01	1.14
50	0.387	0.494	0.413	0.459	240	216	246	221	7.15	1.14
70	0.268	0.342	0.389	0.435	299	264	307	270	10.01	1.14
95	0.193	0.247	0.373	0.419	363	315	372	322	13.59	1.14
120	0.153	0.196	0.358	0.404	418	358	428	365	17.16	1.14
150	0.124	0.159	0.347	0.393	476	401	487	410	21.45	1.14
185	0.0991	0.128	0.338	0.385	545	452	557	461	26.46	1.14
240	0.0754	0.098	0.326	0.372	642	523	657	532	34.32	1.14
300	0.0601	0.079	0.316	0.362	734	588	750	598	42.90	1.14
400	0.0470	0.063	0.305	0.351	852	666	869	677	57.20	1.14
500	0.0366	0.051	0.297	0.343	980	750	997	760	71.50	1.14
630	0.0283	0.041	0.289	0.335	1120	840	1137	848	90.09	1.14

N2XSB(AL)Y 1 x (25-630) mm² 8.7/15 kV

N2XSB(AL)Y-1 core CU XLPE PVC with ATA armor

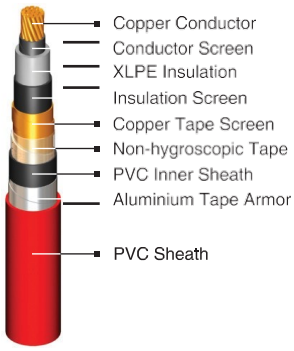
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed) *Standard Specification : IEC 60502-2*

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	25.5	919
35	26.5	1,052
50	27.5	1,200
70	29.5	1,428
95	31.0	1,722
120	33.0	2,033
150	34.5	2,339
185	36.5	2,745
240	39.0	3,303
300	41.0	3,913
400	45.0	4,834
500	48.5	5,942
630	52.0	7,379

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 300 sqmm supplied in wooden drum @ 1000 m
400 - 630 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short current circuit at 1 sec	
			Trefoil formation	Flat formation	in air	in ground	in air	in ground		
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Conductor Max. (kA)	Screen Max. (kA)
25	0.727	0.927	0.473	0.519	168	153	172	156	3.58	1.14
35	0.524	0.668	0.448	0.495	203	183	208	187	5.01	1.14
50	0.387	0.494	0.430	0.476	242	216	248	220	7.15	1.14
70	0.268	0.342	0.405	0.451	302	263	309	269	10.01	1.14
95	0.193	0.247	0.387	0.433	366	315	374	321	13.59	1.14
120	0.153	0.196	0.376	0.422	422	357	431	364	17.16	1.14
150	0.124	0.159	0.363	0.409	479	401	490	409	21.45	1.14
185	0.0991	0.128	0.352	0.399	548	452	560	460	26.46	1.14
240	0.0754	0.098	0.338	0.385	645	522	659	532	34.32	1.14
300	0.0601	0.079	0.327	0.374	738	588	753	598	42.90	1.14
400	0.0470	0.063	0.317	0.363	855	667	871	676	57.20	1.14
500	0.0366	0.050	0.307	0.353	984	752	1000	761	71.50	1.14
630	0.0283	0.041	0.297	0.344	1125	842	1141	850	90.09	1.14

N2XSB(AL)Y 1 x (35-630) mm² 12/20 kV

N2XSB(AL)Y-1 core CU XLPE PVC with ATA armor

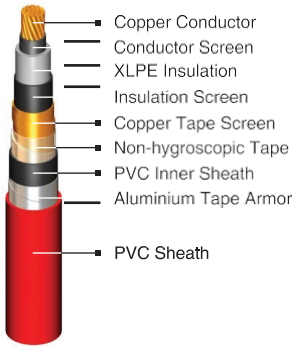
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed) *Standard Specification : IEC 60502-2*

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	29.0	1,172
50	30.0	1,281
70	31.5	1,554
95	33.5	1,884
120	35.5	2,173
150	37.0	2,483
185	38.5	2,839
240	41.0	3,441
300	43.5	4,076
400	47.0	5,011
500	50.5	6,131
630	54.0	7,580

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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 - 240 sqmm supplied in wooden drum @ 1000 m
300 - 630 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short current circuit at 1 sec	
					in air	in ground	in air	in ground		
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation (mH/km)	Flat formation (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Conductor Max. (kA)	Screen Max. (kA)
35	0.524	0.668	0.465	0.511	205	183	210	187	5.01	1.14
50	0.387	0.494	0.445	0.491	244	215	249	220	7.15	1.14
70	0.268	0.342	0.420	0.466	304	263	311	269	10.01	1.14
95	0.193	0.247	0.404	0.450	368	314	376	320	13.59	1.14
120	0.153	0.196	0.389	0.435	424	357	433	364	17.16	1.14
150	0.124	0.159	0.376	0.422	482	400	492	408	21.45	1.14
185	0.0991	0.127	0.364	0.410	550	451	562	460	26.46	1.14
240	0.0754	0.098	0.349	0.395	648	522	661	532	34.32	1.14
300	0.0601	0.079	0.338	0.384	740	588	755	597	42.90	1.14
400	0.0470	0.063	0.327	0.373	858	667	873	676	57.20	1.14
500	0.0366	0.050	0.316	0.362	986	752	1002	761	71.50	1.14
630	0.0283	0.041	0.306	0.352	1128	843	1143	850	90.09	1.14

N2XSB(AL)Y 1 x (50-630) mm² 18/30 kV

N2XSB(AL)Y-1 core CU XLPE PVC with ATA armor

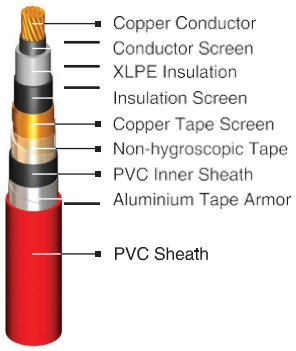
(Copper Conductor, XLPE Insulated, Copper Tape Screen, Aluminium Tape Armor, PVC Sheathed) *Standard Specification : IEC 60502-2*

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	35.5	1,639
70	37.5	1,913
95	39.0	2,185
120	40.5	2,467
150	42.5	2,806
185	44.5	3,252
240	47.0	3,895
300	49.5	4,553
400	52.5	5,475
500	56.0	6,623
630	60.0	8,158

Application :
For installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that 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
- Nylon Coated



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

Standard Packing
50 - 240 sqmm supplied in wooden drum @ 1000 m
300 - 630 sqmm will be suplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

Conductor			Inductance		Current - Carrying Capacity at 30° C *				Short current circuit at 1 sec	
					in air	in ground	in air	in ground		
Nom. Cross Sect. (mm²)	DC Resistance at 20°C Max. (Ω/km)	AC Resistance at 90°C Max. (Ω/km)	Trefoil formation (mH/km)	Flat formation (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Conductor Max. (kA)	Screen Max. (kA)
50	0.387	0.494	0.481	0.528	248	214	253	219	7.15	1.14
70	0.268	0.342	0.453	0.500	308	262	314	268	10.01	1.14
95	0.193	0.247	0.434	0.480	372	313	380	319	13.59	1.14
120	0.153	0.196	0.417	0.463	428	356	437	363	17.16	1.14
150	0.124	0.159	0.403	0.449	486	399	496	407	21.45	1.14
185	0.0991	0.127	0.391	0.438	554	450	565	459	26.46	1.14
240	0.0754	0.098	0.376	0.422	652	521	664	530	34.32	1.14
300	0.0601	0.078	0.364	0.410	744	587	757	596	42.90	1.14
400	0.0470	0.062	0.349	0.395	861	666	876	676	57.20	1.14
500	0.0366	0.050	0.337	0.383	990	753	1005	761	71.50	1.14
630	0.0283	0.040	0.327	0.373	1132	845	1145	852	90.09	1.14