

NA2XSKR(AL)Y 1 x (25-630) mm² 3.6/6 kV

AI / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

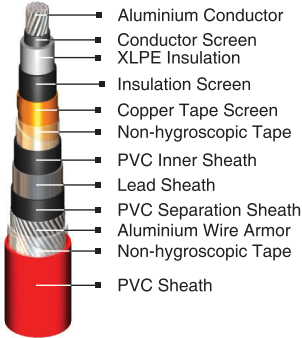
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	27.0	1,588
35	28.5	1,736
50	29.5	1,859
70	32.0	2,178
95	33.5	2,404
120	36.0	2,797
150	37.5	2,980
185	39.5	3,261
240	42.5	3,844
300	47.0	4,577
400	51.5	5,382
500	55.5	6,296
630	61.0	7,478

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 high pulling stresses may occur during installation.

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 - 240 sqmm supplied in wooden drum @ 1000 m

300 - 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	1.20	1.539	0.491	0.538	134	120	137	123	2.35	1.14
35	0.868	1.113	0.465	0.511	162	144	166	147	3.29	1.14
50	0.641	0.822	0.445	0.492	193	169	198	172	4.70	1.14
70	0.443	0.568	0.420	0.466	241	207	247	211	6.58	1.14
95	0.320	0.411	0.400	0.447	292	246	298	250	8.93	1.14
120	0.253	0.325	0.393	0.439	337	278	343	282	11.28	1.14
150	0.206	0.265	0.382	0.429	379	309	385	313	14.10	1.14
185	0.164	0.211	0.368	0.414	433	347	439	351	17.39	1.14
240	0.125	0.161	0.359	0.405	504	397	509	399	22.56	1.14
300	0.100	0.129	0.358	0.404	571	439	574	439	28.20	1.14
400	0.0778	0.101	0.346	0.392	656	492	657	490	37.60	1.14
500	0.0605	0.080	0.339	0.385	743	547	740	541	47.00	1.14
630	0.0469	0.063	0.325	0.371	848	607	841	597	59.22	1.14

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

NA2XSKR(AL)Y 1 x (25-630) mm² 6/10 kV

AI / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, Aluminium Wire 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	29.0	1,780
35	30.5	1,919
50	32.0	2,146
70	34.5	2,472
95	36.5	2,749
120	38.0	3,001
150	39.5	3,309
185	42.0	3,675
240	45.0	4,214
300	48.5	4,714
400	52.5	5,505
500	56.0	6,354
630	61.0	7,541

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 high pulling stresses may occur during installation.

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

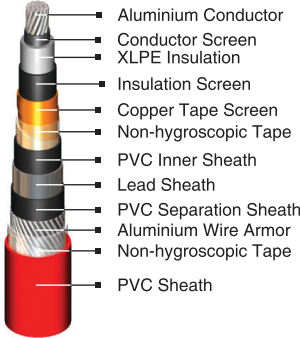
25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 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	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)
25	1.20	1.539	0.506	0.552	135	120	138	122	2.35	1.14
35	0.868	1.113	0.477	0.524	163	143	167	146	3.29	1.14
50	0.641	0.822	0.460	0.507	194	168	199	172	4.70	1.14
70	0.443	0.568	0.438	0.484	244	206	248	210	6.58	1.14
95	0.320	0.411	0.417	0.463	294	245	300	249	8.93	1.14
120	0.253	0.325	0.404	0.450	337	277	343	281	11.28	1.14
150	0.206	0.265	0.393	0.439	380	308	386	312	14.10	1.14
185	0.164	0.211	0.381	0.427	433	346	439	349	17.39	1.14
240	0.125	0.161	0.369	0.416	505	396	510	398	22.56	1.14
300	0.100	0.129	0.363	0.409	570	438	573	438	28.20	1.14
400	0.0778	0.101	0.349	0.395	656	492	657	490	37.60	1.14
500	0.0605	0.080	0.341	0.387	743	547	740	541	47.00	1.14
630	0.0469	0.063	0.326	0.373	848	607	841	597	59.22	1.14

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

NA2XSKR(AL)Y 1 x (25-630) mm² 8.7/15 kV

AI / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

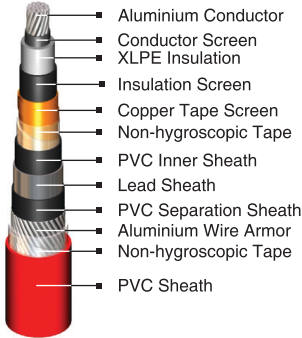
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	32.0	2,105
35	33.0	2,252
50	35.0	2,490
70	37.5	2,815
95	39.0	3,056
120	41.0	3,460
150	42.5	3,666
185	45.0	4,135
240	48.5	4,635
300	51.0	5,221
400	55.5	6,095
500	58.5	6,932
630	64.0	8,166

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 high pulling stresses may occur during installation.

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	⊗		⊙			
	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	1.20	1.539	0.524	0.570	136	119	138	122	2.35	1.14
35	0.868	1.113	0.494	0.541	164	143	168	146	3.29	1.14
50	0.641	0.822	0.480	0.526	196	168	200	171	4.70	1.14
70	0.443	0.568	0.453	0.499	244	205	249	209	6.58	1.14
95	0.320	0.411	0.432	0.478	294	244	300	248	8.93	1.14
120	0.253	0.325	0.420	0.466	337	276	343	280	11.28	1.14
150	0.206	0.265	0.407	0.453	380	307	385	311	14.10	1.14
185	0.164	0.211	0.394	0.441	434	345	439	348	17.39	1.14
240	0.125	0.161	0.385	0.431	505	393	510	395	22.56	1.14
300	0.100	0.129	0.375	0.421	570	437	574	437	28.20	1.14
400	0.0778	0.101	0.360	0.406	656	491	657	489	37.60	1.14
500	0.0605	0.079	0.351	0.397	743	546	741	541	47.00	1.14
630	0.0469	0.063	0.336	0.382	849	607	842	597	59.22	1.14

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

NA2XSKR(AL)Y 1 x (35-630) mm² 12/20 kV

AI / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

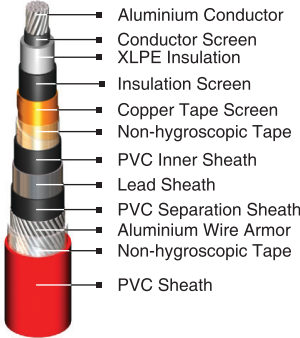
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	36.5	2,671
50	37.5	2,805
70	39.5	3,165
95	42.0	3,489
120	43.5	3,742
150	45.0	4,104
185	48.5	4,522
240	51.0	5,117
300	53.5	5,668
400	58.0	6,467
500	61.0	7,312
630	66.5	8,557

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 high pulling stresses may occur during installation.

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. (mm²)	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)
35	0.868	1.113	0.513	0.560	166	143	169	145	3.29	1.14
50	0.641	0.822	0.494	0.540	197	168	200	171	4.70	1.14
70	0.443	0.568	0.465	0.511	245	205	249	209	6.58	1.14
95	0.320	0.411	0.446	0.492	295	243	300	247	8.93	1.14
120	0.253	0.325	0.431	0.477	338	275	343	279	11.28	1.14
150	0.206	0.265	0.419	0.465	380	306	386	310	14.10	1.14
185	0.164	0.211	0.409	0.455	435	343	440	346	17.39	1.14
240	0.125	0.161	0.396	0.442	505	392	510	394	22.56	1.14
300	0.100	0.129	0.383	0.430	571	437	575	437	28.20	1.14
400	0.0778	0.101	0.369	0.415	656	490	657	488	37.60	1.14
500	0.0605	0.079	0.358	0.404	743	545	741	540	47.00	1.14
630	0.0469	0.063	0.342	0.389	849	607	843	598	59.22	1.14

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

NA2XSKR(AL)Y 1 x (50-630) mm² 18/30 kV

AI / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

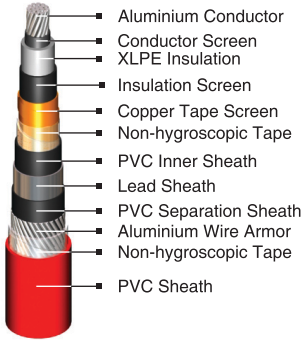
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	44.0	3,783
70	47.5	4,221
95	49.0	4,445
120	51.0	4,876
150	52.5	5,124
185	55.0	5,712
240	57.5	6,198
300	60.0	6,810
400	64.0	7,767
500	67.0	8,662
630	73.0	10,109

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 high pulling stresses may occur during installation.

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 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

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)
50	0.641	0.822	0.526	0.573	198	167	201	170	4.70	1.14
70	0.443	0.568	0.500	0.547	247	204	251	207	6.58	1.14
95	0.320	0.411	0.477	0.524	297	242	301	246	8.93	1.14
120	0.253	0.325	0.463	0.509	339	274	344	277	11.28	1.14
150	0.206	0.265	0.449	0.495	381	304	386	308	14.10	1.14
185	0.164	0.211	0.435	0.481	434	342	439	345	17.39	1.14
240	0.125	0.161	0.419	0.465	504	391	509	393	22.56	1.14
300	0.100	0.129	0.406	0.452	570	435	573	436	28.20	1.14
400	0.078	0.101	0.389	0.435	655	489	657	488	37.60	1.14
500	0.061	0.079	0.378	0.424	743	545	743	541	47.00	1.14
630	0.047	0.062	0.361	0.408	849	606	845	599	59.22	1.14

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