NA2XSR(AL)Y 1 x (25-630) mm² 3.6/6 kV

NA2XSR(AL)Y-1 core AL XLPE PVC with AWA armor

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

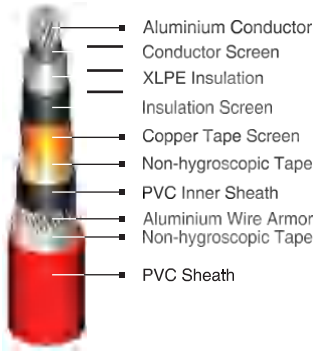
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	22.5	663
35	24.0	738
50	25.0	816
70	27.0	943
95	28.5	1,094
120	30.0	1,215
150	31.5	1,313
185	33.5	1,479
240	37.0	1,867
300	40.0	2,158
400	43.5	2,517
500	49.0	3,196
630	54.0	3,829

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 - 500 sqmm supplied in wooden drum @ 1000 m
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	1.20	1.539	0.456	0.502	129	119	132	122	2.35	1.14
35	0.868	1.113	0.430	0.476	157	143	161	146	3.29	1.14
50	0.641	0.822	0.412	0.458	187	168	191	172	4.70	1.14
70	0.443	0.568	0.386	0.432	234	206	239	210	6.58	1.14
95	0.320	0.411	0.370	0.416	284	245	290	250	8.93	1.14
120	0.253	0.325	0.357	0.403	327	278	334	283	11.28	1.14
150	0.206	0.265	0.346	0.393	368	309	375	314	14.10	1.14
185	0.164	0.211	0.334	0.380	423	349	430	354	17.39	1.14
240	0.125	0.161	0.331	0.377	496	399	502	402	22.56	1.14
300	0.100	0.130	0.324	0.370	564	445	569	447	28.20	1.14
400	0.0778	0.102	0.312	0.358	654	504	656	502	37.60	1.14
500	0.0605	0.080	0.314	0.360	740	555	737	548	47.00	1.14
630	0.0469	0.063	0.301	0.347	849	617	839	605	59.22	1.14

NA2XSR(AL)Y 1 x (25-630) mm² 6/10 kV

NA2XSR(AL)Y-1 core AL XLPE PVC with AWA armor

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

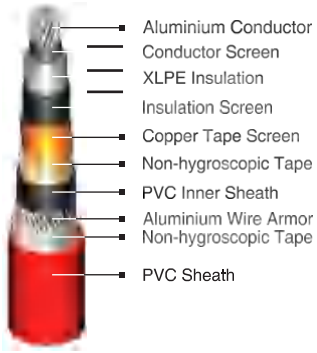
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	24.5	752
35	26.0	830
50	27.0	911
70	29.0	1,056
95	30.5	1,159
120	32.0	1,295
150	34.5	1,518
185	36.5	1,729
240	39.0	1,996
300	41.0	2,204
400	44.5	2,599
500	49.5	3,239
630	54.0	3,875

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 - 500 sqmm supplied in wooden drum @ 1000 m
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.	DC Resistance at 20°C	AC Resistance at 90°C	Trefoil formation	Flat formation	in air	in ground	in air	in ground	Conductor	Screen
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)	(mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)	Max. (kA)
25	1.20	1.539	0.472	0.518	130	119	133	122	2.35	1.14
35	0.868	1.113	0.445	0.491	158	142	162	145	3.29	1.14
50	0.641	0.822	0.426	0.473	189	168	193	171	4.70	1.14
70	0.443	0.568	0.401	0.447	236	205	241	209	6.58	1.14
95	0.320	0.411	0.381	0.427	285	244	291	249	8.93	1.14
120	0.253	0.325	0.369	0.415	328	277	334	282	11.28	1.14
150	0.206	0.265	0.364	0.410	372	308	378	313	14.10	1.14
185	0.164	0.211	0.353	0.399	426	347	432	351	17.39	1.14
240	0.125	0.161	0.341	0.387	497	398	503	401	22.56	1.14
300	0.100	0.130	0.330	0.377	564	445	569	446	28.20	1.14
400	0.0778	0.102	0.317	0.363	654	503	656	502	37.60	1.14
500	0.0605	0.080	0.316	0.362	740	554	737	547	47.00	1.14
630	0.0469	0.063	0.302	0.348	849	617	839	605	59.22	1.14

NA2XSR(AL)Y 1 x (25-630) mm² 8.7/15 kV

NA2XSR(AL)Y-1 core AL XLPE PVC with AWA armor

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

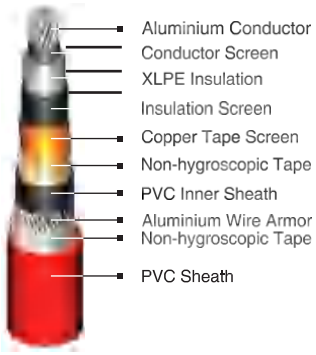
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	27.0	870
35	28.5	964
50	29.5	1,049
70	31.0	1,160
95	33.0	1,306
120	35.5	1,570
150	37.0	1,695
185	39.0	1,901
240	41.5	2,120
300	43.5	2,378
400	49.0	2,996
500	52.0	3,453
630	56.5	4,107

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 - 400 sqmm supplied in wooden drum @ 1000 m
500 - 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	1.20	1.539	0.490	0.536	132	119	135	121	2.35	1.14
35	0.868	1.113	0.463	0.509	160	142	163	145	3.29	1.14
50	0.641	0.822	0.444	0.490	190	167	194	171	4.70	1.14
70	0.443	0.568	0.417	0.463	237	205	242	209	6.58	1.14
95	0.320	0.411	0.397	0.443	287	244	293	248	8.93	1.14
120	0.253	0.325	0.391	0.437	331	276	337	280	11.28	1.14
150	0.206	0.265	0.379	0.425	373	307	379	312	14.10	1.14
185	0.164	0.211	0.366	0.412	427	346	433	350	17.39	1.14
240	0.125	0.161	0.352	0.399	498	397	504	400	22.56	1.14
300	0.100	0.129	0.341	0.387	566	444	570	445	28.20	1.14
400	0.0778	0.101	0.335	0.381	653	496	653	494	37.60	1.14
500	0.0605	0.080	0.325	0.372	742	554	738	547	47.00	1.14
630	0.0469	0.063	0.311	0.357	850	617	841	605	59.22	1.14

NA2XSR(AL)Y 1 x (35-630) mm² 12/20 kV

NA2XSR(AL)Y-1 core AL XLPE PVC with AWA armor

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

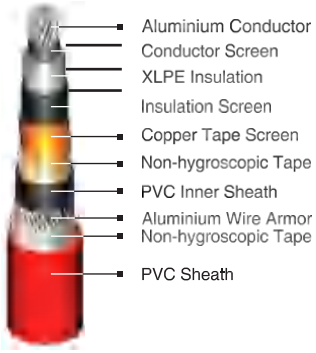
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
35	30.5	1,084
50	31.5	1,138
70	33.5	1,284
95	36.5	1,562
120	38.0	1,719
150	39.5	1,857
185	41.0	2,014
240	43.5	2,274
300	47.0	2,697
400	51.0	3,170
500	54.0	3,635
630	59.0	4,344

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 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	Conductor	Screen
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)	Max. (kA)	Max. (kA)
35	0.868	1.113	0.477	0.524	161	142	164	145	3.29	1.14
50	0.641	0.822	0.458	0.504	191	167	195	170	4.70	1.14
70	0.443	0.568	0.429	0.476	238	204	243	208	6.58	1.14
95	0.320	0.411	0.417	0.463	289	243	295	247	8.93	1.14
120	0.253	0.325	0.403	0.449	332	275	338	279	11.28	1.14
150	0.206	0.265	0.391	0.437	374	307	380	311	14.10	1.14
185	0.164	0.211	0.377	0.423	428	346	434	349	17.39	1.14
240	0.125	0.161	0.362	0.408	499	397	505	399	22.56	1.14
300	0.100	0.129	0.357	0.403	567	440	570	441	28.20	1.14
400	0.0778	0.101	0.343	0.389	654	496	655	494	37.60	1.14
500	0.0605	0.080	0.333	0.379	743	554	740	547	47.00	1.14
630	0.0469	0.063	0.319	0.365	850	616	841	604	59.22	1.14

NA2XSR(AL)Y 1 x (50-630) mm² 18/30 kV

NA2XSR(AL)Y-1 core AL XLPE PVC with AWA armor

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

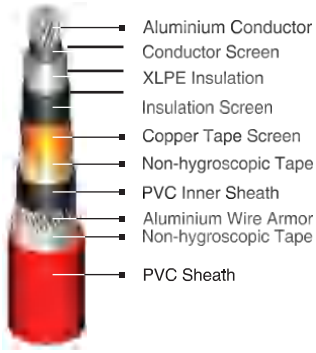
Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
50	38.0	1,617
70	40.0	1,776
95	41.5	1,903
120	43.0	2,052
150	44.5	2,218
185	48.5	2,642
240	50.5	2,923
300	53.0	3,231
400	56.5	3,695
500	59.5	4,185
630	64.5	4,962

Application :
For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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 - 185 sqmm supplied in wooden drum @ 1000 m
240 - 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	0.641	0.822	0.497	0.544	194	166	198	169	4.70	1.14
70	0.443	0.568	0.467	0.513	241	203	246	207	6.58	1.14
95	0.320	0.411	0.445	0.491	291	242	296	246	8.93	1.14
120	0.253	0.325	0.429	0.475	334	274	339	278	11.28	1.14
150	0.206	0.265	0.417	0.463	376	305	381	309	14.10	1.14
185	0.164	0.211	0.409	0.455	430	343	435	346	17.39	1.14
240	0.125	0.161	0.393	0.440	501	393	505	395	22.56	1.14
300	0.100	0.129	0.381	0.427	567	438	570	438	28.20	1.14
400	0.0778	0.101	0.364	0.410	654	495	655	492	37.60	1.14
500	0.0605	0.079	0.353	0.399	743	552	740	546	47.00	1.14
630	0.0469	0.063	0.337	0.384	850	615	842	604	59.22	1.14