

NA2XR(AL)Y 1 x (25-800) mm² 0.6/1 kV

AI / XLPE / AWA / PVC

(Aluminium Conductor, XLPE Insulated, Aluminium Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
25	16.6	344
35	17.8	403
50	19.5	486
70	22.0	591
95	23.5	699
120	25.5	830
150	28.0	994
185	30.0	1,160
240	33.5	1,428
300	36.0	1,678
400	42.5	2,365
500	45.5	2,704
630	50.0	3,272
800	56.5	4,175

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



Note :
Conductor Shape
25 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 800 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing
25 - 500 sqmm supplied in wooden drum @ 1000 m
630 - 800 sqmm supplied 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					
					in air	in ground	in air	in ground	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	 (mH/km)	 (mH/km)	Max. (A)	Max. (A)	Max. (A)	Max. (A)	Max. (kA)
25	1.20	1.539	0.379	0.426	123	120	126	123	2.35
35	0.868	1.113	0.360	0.406	149	143	153	147	3.29
50	0.641	0.822	0.343	0.389	181	169	186	174	4.70
70	0.443	0.568	0.326	0.372	228	207	234	213	6.58
95	0.320	0.411	0.313	0.359	278	247	285	253	8.93
120	0.253	0.325	0.310	0.356	323	281	331	287	11.28
150	0.206	0.265	0.302	0.348	371	315	380	321	14.10
185	0.164	0.211	0.296	0.342	427	356	436	361	17.39
240	0.125	0.162	0.287	0.333	507	410	516	416	22.56
300	0.100	0.130	0.282	0.328	580	460	589	464	28.20
400	0.0778	0.102	0.279	0.325	683	519	687	518	37.60
500	0.0605	0.080	0.276	0.322	775	580	775	574	47.00
630	0.0469	0.064	0.271	0.317	885	645	877	633	59.22
800	0.0367	0.052	0.273	0.319	980	693	961	672	75.20

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

NA2XRY 2 x (10-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	19.4	657
16	22.0	812
25	25.0	1,124
35	27.5	1,327
50	30.5	1,531
70	35.0	1,928
95	40.0	2,590
120	43.5	3,017
150	46.5	3,424
185	54.0	4,638
240	59.0	5,457
300	64.0	6,357

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



Note :
Conductor Shape
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
10 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 300 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		in air	in ground	
(mm²)			(mH/km)			
10	3.08	3.949	0.248	71	78	0.94
16	1.91	2.449	0.236	95	102	1.50
25	1.20	1.539	0.242	125	131	2.35
35	0.868	1.113	0.234	154	158	3.29
50	0.641	0.822	0.232	186	187	4.70
70	0.443	0.568	0.229	235	229	6.58
95	0.320	0.411	0.224	288	274	8.93
120	0.253	0.325	0.223	333	312	11.28
150	0.206	0.265	0.225	375	347	14.10
185	0.164	0.211	0.225	437	394	17.39
240	0.125	0.162	0.223	513	455	22.56
300	0.100	0.130	0.222	585	511	28.20

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

NA2XRY 3 x (10-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	20.5	712
16	23.5	893
25	26.5	1,232
35	29.0	1,458
50	31.5	1,553
70	36.5	2,182
95	40.0	2,597
120	43.5	2,994
150	49.5	3,959
185	54.0	4,583
240	60.0	5,522
300	65.0	6,408

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



Note :
Conductor Shape
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing
10 - 150 sqmm supplied in wooden drum @ 1000 m
185 - 300 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		in air	in ground	
(mm²)			(mH/km)			
10	3.08	3.949	0.248	60	65	0.94
16	1.91	2.449	0.236	81	86	1.50
25	1.20	1.539	0.242	106	110	2.35
35	0.868	1.113	0.234	131	133	3.29
50	0.641	0.822	0.232	162	161	4.70
70	0.443	0.568	0.229	205	197	6.58
95	0.320	0.411	0.224	250	235	8.93
120	0.253	0.325	0.223	290	267	11.28
150	0.206	0.265	0.225	332	299	14.10
185	0.164	0.211	0.225	384	338	17.39
240	0.125	0.162	0.223	451	390	22.56
300	0.100	0.130	0.222	516	438	28.20

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

NA2XRY 4 x (10-300) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

(Aluminium Conductor, XLPE Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	22.0	805
16	26.0	1,161
25	28.5	1,405
35	31.5	1,700
50	35.5	1,880
70	41.0	2,631
95	45.0	3,148
120	51.5	4,159
150	57.5	4,913
185	61.5	5,664
240	68.0	6,807
300	73.5	7,937

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



Note :
Conductor Shape
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape
50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing
10 - 95 sqmm supplied in wooden drum @ 1000 m
120 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum $\pm$ 2%

Electrical Data

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	Max. (Ω/km)	Max. (Ω/km)		Max. (A)	Max. (A)	
(mm ²)			(mH/km)			Max. (kA)
10	3.08	3.949	0.248	66	71	0.94
16	1.91	2.449	0.236	90	93	1.50
25	1.20	1.539	0.242	119	120	2.35
35	0.868	1.113	0.234	146	143	3.29
50	0.641	0.822	0.232	171	165	4.70
70	0.443	0.568	0.229	215	201	6.58
95	0.320	0.411	0.224	263	240	8.93
120	0.253	0.325	0.223	307	273	11.28
150	0.206	0.265	0.225	355	308	14.10
185	0.164	0.211	0.225	405	346	17.39
240	0.125	0.162	0.223	476	399	22.56
300	0.100	0.130	0.222	544	448	28.20

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

NA2XRY 5 x (10-50) mm² 0.6/1 kV

AI / XLPE / SWA / PVC

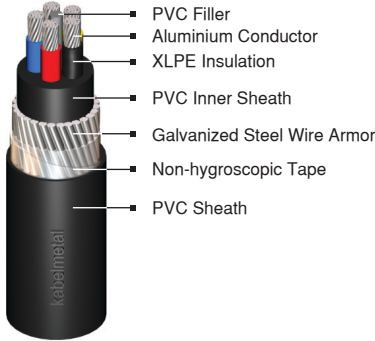
(Aluminium Conductor, XLPE Insulated, Galvanized Steel Wire Armor, PVC Sheathed)
Standard Specification : IEC 60502-1

Construction Data

Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm²	mm	kg/km
10	23.5	918
16	28.0	1,315
25	30.5	1,615
35	34.5	1,971
50	40.0	2,662

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



Note :
Conductor Shape
10 - 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
25 - 50 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing
10 - 50 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect.	Conductor		Inductance	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec
	DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
				Max. (A)	Max. (A)	
(mm²)	Max. (Ω/km)	Max. (Ω/km)	(mH/km)			
10	3.08	3.949	0.248	68	72	0.94
16	1.91	2.449	0.236	93	94	1.50
25	1.20	1.539	0.242	123	122	2.35
35	0.868	1.113	0.234	151	145	3.29
50	0.641	0.822	0.232	185	172	4.70

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