

NA2XY

AL/XLPE/ PVC – 0.6/1 kV Cable

CABLE STANDARDS

IEC 60502-1 , ISIRI 3569-1 , IEC 60228, IEC 60332-1-2



APPLICATION

NA2XY is used as a power cable for energy supply in static installations, indoors, outdoors, underground and in concrete where mechanical damages are not to be expected.

CONSTRUCTION

Conductor

Class 1 or 2 stranded Aluminum conductors

Insulation

XLPE (Cross-linked polyethylene)

Sheath

PVC (Polyvinyl Chloride)

CHARACTERISTICS

Voltage Rating (U_0/U) (Um)

0.6/1 (1.2) kV

Test Voltage

8.4 KV

Temperature Rating

-20°C to +90°C

Short Circuit Temperature

+250°C

Minimum Bending Radius

12 x Overall Diameter **for Multi Core**

15 x Overall Diameter **for Single Core**

Sheath Color

Black

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Technical Specifications

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		Max DC Conduc tor Resista nce at 20°C Ω.km	Short- circuit Curre nt KA 1.sec Approx	CURRENT CARRYING CAPACITY				Capacitance μf.km Approx	Reactance		OVERALL DIAMETER Mm Approx	WEIGHT kg.km Approx
					Amps Approx					Ω.km Approx			
	Conductor mm²				Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
1	16	RM.V	1.91	1.62	86	81	93	98	0.52	0.10	0.18	8.7	99
1	25	RM.V	1.20	2.50	115	102	124	131	0.51	0.10	0.17	10.3	140
1	35	RM.V	0.868	3.47	137	131	164	163	0.59	0.09	0.17	11.4	175
1	50	RM.V	0.641	4.92	163	161	197	200	0.60	0.09	0.17	12.5	210
1	70	RM.V	0.443	6.84	201	205	238	254	0.66	0.09	0.16	14.4	283
1	95	RM.V	0.320	9.24	240	253	284	313	0.76	0.08	0.16	16.3	372
1	120	RM.V	0.253	11.64	274	296	323	366	0.79	0.08	0.16	18.0	455
1	150	RM.V	0.206	14.51	308	341	461	420	0.76	0.08	0.16	20.0	559
1	185	RM.V	0.164	17.85	350	395	408	486	0.75	0.08	0.16	22.3	697
1	240	RM.V	0.125	23.10	408	475	476	585	0.80	0.08	0.16	25.1	889
1	300	RM.V	0.100	28.82	462	548	537	675	0.84	0.08	0.16	27.3	1075
1	400	RM.V	0.0778	38.34	531	647	616	798	0.87	0.08	0.15	31.3	1406
1	500	RM.V	0.0605	47.85	601	749	699	926	0.88	0.08	0.15	34.6	1743
1	630	RM.V	0.0469	60.20	673	844	794	1056	0.92	0.08	0.15	39.2	2240

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					Amps Approx					Ω.km Approx			
	Conductor mm²				Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
2	10	RM	3.08	1.03	49	60	70	81	0.43	0.16	0.23	16	338.70
2	16	RM.V	1.91	1.62	80	82	98	100	1.03	0.15	0.22	17.6	420
2	25	RM.V	1.20	2.50	110	101	129	128	0.51	0.14	0.22	20.9	590
2	35	RM.V	0.868	3.47	137	131	164	163	0.59	0.14	0.21	23.3	739

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					Amps Approx					Ω.km Approx			
	Conductor mm²				Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
3	10	RM	3.08	1.03	49	60	-	-	0.43	0.11	-	16.9	417
3	16	RM.V	1.91	1.62	80	82	-	-	0.52	0.10	-	18.6	467
3	25	RM.V	1.20	2.50	110	101	-	-	0.51	0.10	-	22.4	669
3	35	RM.V	0.868	3.47	137	131	-	-	0.59	0.09	-	24.7	826
3	50	SM	0.641	4.92	163	161	-	-	0.60	0.09	-	23.6	639
3	70	SM	0.443	6.84	201	205	-	-	0.66	0.08	-	27.1	860
3	95	SM	0.320	9.24	240	253	-	-	0.76	0.08	-	30.6	1122
3	120	SM	0.253	11.64	274	296	-	-	0.79	0.08	-	34.4	1411
3	150	SM	0.206	14.51	308	341	-	-	0.76	0.08	-	37.8	1719
3	185	SM	0.164	17.85	350	395	-	-	0.75	0.08	-	42.6	2144
3	240	SM	0.125	23.10	408	475	-	-	0.80	0.08	-	47.8	2746
3	300	SM	0.100	28.82	462	548	-	-	0.84	0.08	-	52.9	3367

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	Conductor mm²				Amps					Ω.km			
					Approx					Approx			
					Trefoil		Flat			Trefoil	Flat		
Ground	Air	Ground	Air										
3+1	25+16	RM.V	1.20	2.50	111	100	-	-	0.51			0.09	0.17
3+1	35+16	RM.V	0.868	3.47	132	122	-	-	0.59	0.09	0.16	25.40	861
3+1	50+25	SM	0.641	4.92	157	147	-	-	0.60	0.09	0.16	25.1	734
3+1	70+35	SM	0.443	6.84	195	189	-	-	0.66	0.08	0.16	29.2	1,000
3+1	95+50	SM	0.320	9.24	233	232	-	-	0.76	0.08	0.16	33.0	1,304
3+1	120+70	SM	0.253	11.64	266	270	-	-	0.79	0.08	0.16	36.9	1,645
3+1	150+70	SM	0.206	14.51	299	308	-	-	0.76	0.08	0.16	40.7	1,973
3+1	185+95	SM	0.164	17.85	340	357	-	-	0.75	0.08	0.16	45.9	2,477
3+1	240+120	SM	0.125	23.10	401	435	-	-	0.80	0.08	0.16	51.6	3,157
3+1	300+150	SM	0.100	28.82	455	501	-	-	0.84	0.08	0.15	57.0	3,958

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					Amps Approx					Ω.km Approx			
	Conductor mm²				Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
4	10	RM	3.08	1.03	65	55	-	-	0.43	0.16	-	18.26	524
4	16	RM.V	1.91	1.62	90	76	-	-	0.52	0.10	-	20.4	554
4	25	RM.V	1.20	2.50	111	100	-	-	0.51	0.10	-	24.5	780
4	35	RM.V	0.868	3.47	132	122	-	-	0.59	0.09	-	27.1	968
4	50	SM	0.641	4.92	157	147	-	-	0.60	0.08	-	26.0	810
4	70	SM	0.443	6.84	195	189	-	-	0.66	0.08	-	30.2	1113
4	95	SM	0.320	9.24	233	232	-	-	0.76	0.08	-	34.5	1473
4	120	SM	0.253	11.64	266	270	-	-	0.79	0.08	-	38.4	1830
4	150	SM	0.206	14.51	299	308	-	-	0.76	0.08	-	42.2	2231
4	185	SM	0.164	17.85	340	357	-	-	0.75	0.08	-	47.8	2808
4	240	SM	0.125	23.10	401	435	-	-	0.80	0.08	-	53.7	3597
4	300	SM	0.100	28.82	455	501	-	-	0.84	0.08	-	59.4	4408

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										Ω.km			
	Conductor mm²				Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
5	10	RM	3.08	1.03	65	55	-	-	0.43	0.10	-	19.8	667
5	16	RM.V	1.91	1.62	90	76	-	-	0.52	0.10	-	22.2	667
5	25	RM.V	1.20	2.50	111	100	-	-	0.51	0.09	-	26.6	945
5	35	RM.V	0.868	3.47	132	122	-	-	0.59	0.09	-	30.0	1211