NA2XYRY

AL/XLPE/ PVC/ SWA/ PVC – 0.6/1 kV Cable

CABLE STANDARDS

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

APPLICATION

NA2XYRY is used as a power cable for energy supply in static installations, indoors, outdoors, underground and in concrete and also for places where there are mechanical stresses .

CONSTRUCTION

Conductor

Class 1 or 2 stranded Aluminum conductors

Insulation

XLPE (Cross-linked polyethylene)

Bedding

PVC (Polyvinyl Chloride)

Armour

Single Core: Aluminum Tape

Multi Core: Steel (Galvanized) Tape

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

OFOGH ALBORZ INDUSTRIAL GROUP

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Technical Specifications

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA Conductor mm²		Max DC Conductor Resistance at 20°C Ω.km	Short-circuit Current KA 1.sec Approx	CURRENT CARRYING CAPACITY Amps Approx				Capacitance µf.km Approx	Reactance Ω.km Approx		OVERALL DIAMETER Mm Approx	WEIGHT kg.km Approx
					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
1	16	RM.V	1.91	1.62	86	81	93	98	0.52	0.12	0.20	12.1	187
1	25	RM.V	1.20	2.50	115	102	124	131	0.51	0.12	0.19	14.0	251
1	35	RM.V	0.868	3.47	137	131	164	163	0.59	0.12	0.19	16.2	345
1	50	RM.V	0.641	4.92	163	161	197	200	0.60	0.11	0.19	17.3	395
1	70	RM.V	0.443	6.84	201	205	238	254	0.66	0.10	0.18	19.4	500
1	95	RM.V	0.320	9.24	240	253	284	313	0.76	0.10	0.18	22.2	673
1	120	RM.V	0.253	11.64	274	296	323	366	0.79	0.10	0.18	23.9	782
1	150	RM.V	0.206	14.51	308	341	461	420	0.76	0.10	0.17	25.9	916
1	185	RM.V	0.164	17.85	350	395	408	486	0.75	0.10	0.17	28.4	1102
1	240	RM.V	0.125	23.10	408	475	476	585	0.80	0.09	0.17	30.9	1338
1	300	RM.V	0.100	28.82	462	548	537	675	0.84	0.09	0.17	34.3	1679
1	400	RM.V	0.0778	38.34	531	647	616	798	0.87	0.09	0.17	38.4	2089
1	500	RM.V	0.0605	47.85	601	749	699	926	0.88	0.09	0.17	41.7	2491
1	630	RM.V	0.0469	60.20	673	844	794	1056	0.92	0.09	0.17	47.2	3226

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					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
2	10	RM	3.08	1.03	49	60	70	81	0.43	0.12	0.20	18.3	637
2	16	RM.V	1.91	1.62	80	82	98	100	1.03	0/15	0/23	20.3	728
2	25	RM.V	1.20	2.50	110	101	129	128	0.51	0/15	0/23	24.3	1075
2	35	RM.V	0.868	3.47	49	60	70	81	0.59	0/15	0/22	26.6	1254

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					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
3	10	RM	3.08	1.03	49	60	-	-	0.43	0.11	-	19.1	692
3	16	RM.V	1.91	1.62	80	82	-	-	0.52	0.11	-	22.0	968
3	25	RM.V	1.20	2.50	110	101	-	-	0.51	0.11	-	25.6	1259
3	35	RM.V	0.868	3.47	137	131	-	-	0.59	0.10	-	28.3	1512
3	50	SM	0.641	4.92	163	161	-	-	0.60	0.10	-	29.2	1518
3	70	SM	0.443	6.84	201	205	-	-	0.66	0.10	-	34.1	2135
3	95	SM	0.320	9.24	240	253	-	-	0.76	0.10	-	37.6	2550
3	120	SM	0.253	11.64	274	296	-	-	0.79	0.09	-	41.4	2994
3	150	SM	0.206	14.51	308	341	-	-	0.76	0.09	-	46.0	3882
3	185	SM	0.164	17.85	350	395	-	-	0.75	0.09	-	51.2	4590
3	240	SM	0.125	23.10	408	475	-	-	0.80	0.09	-	56.6	5504
3	300	SM	0.100	28.82	462	548	-	-	0.84	0.09	-	62.2	6626

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					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
3+1	25+16	RM.V	1.20	2.50	111	100	-	-	0.51	0.10	-	26.8	1,358
3+1	35+16	RM.V	0.868	3.47	132	122	-	-	0.59	0.10	-	28.9	1,569
3+1	50+25	SM	0.641	4.92	157	147	-	-	0.60	0.06	-	30.7	1670
3+1	70+35	SM	0.443	6.84	195	189	-	-	0.66	0.06	-	36.0	2350
3+1	95+50	SM	0.320	9.24	233	232	-	-	0.76	0.06	-	40.2	2870
3+1	120+70	SM	0.253	11.64	266	270	-	-	0.79	0.05	-	45.3	3781
3+1	150+70	SM	0.206	14.51	299	308	-	-	0.76	0.06	-	48.9	4280
3+1	185+95	SM	0.164	17.85	340	357	-	-	0.75	0.06	-	54.5	5111
3+1	240+120	SM	0.125	23.10	401	435	-	-	0.80	0.06	-	60.6	6222
3+1	300+150	SM	0.100	28.82	455	501	-	-	0.84	0.06	-	66.8	7725

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					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
4	10	RM	3.08	1.03	65	55	-	-	0.43	0.11	-	20.7	794
4	16	RM.V	1.91	1.62	90	76	-	-	0.52	0.11	-	23.6	1092
4	25	RM.V	1.20	2.50	111	100	-	-	0.51	0.10	-	28.0	1458
4	35	RM.V	0.868	3.47	132	122	-	-	0.59	0.10	-	30.8	1734
4	50	SM	0.641	4.92	157	147	-	-	0.60	0.10	-	32.0	1812
4	70	SM	0.443	6.84	195	189	-	-	0.66	0.10	-	37.2	2514
4	95	SM	0.320	9.24	233	232	-	-	0.76	0.09	-	41.4	3057
4	120	SM	0.253	11.64	266	270	-	-	0.79	0.09	-	46.8	4021
4	150	SM	0.206	14.51	299	308	-	-	0.76	0.09	-	50.8	4674
4	185	SM	0.164	17.85	340	357	-	-	0.75	0.09	-	56.6	5565
4	240	SM	0.125	23.10	401	435	-	-	0.80	0.09	-	63.1	6909
4	300	SM	0.100	28.82	455	501	-	-	0.84	0.09	-	69.6	8453

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					Trefoil		Flat			Trefoil	Flat		
					Ground	Air	Ground	Air					
5	10	RM	3.08	1.03	65	55	-	-	0.43	0.11	-	22.9	1040
5	16	RM.V	1.91	1.62	90	76	-	-	0.52	0.11	-	25.4	1324
5	25	RM.V	1.20	2.50	111	100	-	-	0.51	0.10	-	30.3	1784
5	35	RM.V	0.868	3.47	132	122	-	-	0.59	0.10	-	34.6	2405