



NA2XY - 0.6/1 (1.2) kV

AL/XLPE/PVC - Acc. to IEC 60502-1



DESCRIPTION

Conductor: Stranded Plain Aluminium Sector Acc. to IEC 60228 Class 2, **Insulation:** XLPE, **Sheathing Material:** PVC in Black

APPLICATION

Power cable : Indoors, cable trunking, outdoors and buried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

TECHNICAL DATA

Voltage: AC: 0.6/1 (1.2)kV
DC 0.9/1.8kV

Temp. Rating: Flexed: 5°C to +90°C
Fixed: -35°C to +90°C

Max. Cond. Temp. During S.C : +250°C

Current Carrying Capacity:
a) Laying condition at trefoil formation : Air Temp. 30°C
Ground Temp. 20°C
Depth of laying 0.7m
Soil thermal resistivity, dried-out soil 2.5 Km/W
Thermal resistivity of soil 1.0 K.m/W

Min. Bend. Radius: Single core: 15 x OD
Multi core: 12 x OD

Tests/Approvals: IEC 60502-1, IEC 60228

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No. of Cores	Nom. CSA	Cond. Type	Nom. OD	Nom. Weight
	mm ²		Kg/Km	Kg/Km
1	25	RM	9.9	132
1	35	RM	11	166
1	50	RM	12.5	211
1	70	RM	14.1	283
1	95	RM	16.1	376
1	120	RM	17.5	456
1	150	RM	19.6	560
1	185	RM	21.8	697
1	240	RM	24	878
1	300	RM	26.7	1073
1	400	RM	29.7	1347
1	500	RM	33.1	1705
1	630	RM	42.8	2705
1	800	RM	47.9	3420
3	16	RM	16.3	364
3	25	RM	19.6	530
3	35	RM	22.1	684
3	35	SE	19	486
3	50	SM	22.4	655
3	50	SE	21.2	622
3	70	SM	26.1	903
3	70	SE	25.2	859
3	95	SM	29.1	1174
3	95	SE	27.8	1115
3	120	SM	32.2	1446
3	120	SE	30.8	1379
3	150	SM	36.2	1780
3	150	SE	33.9	1685
3	185	SM	40.1	2197
3	185	SE	37.6	2089
3	240	SM	44.9	2782
3	240	SE	41.8	2634

ALL FIGURES QUOTED ARE APPROXIMATE

No. of Cores	Nom. CSA	Cond. Type	Nom. OD	Nom. Weight
	mm ²		Kg/Km	Kg/Km
3	70 + 35	SM+SM	28.3	1044
3	120 + 70	SM+SM	35.1	1704
3	150 + 70	SM+SM	39.7	2065
3	185 + 95	SM+SM	43.7	2563
3	240 + 120	SM+SM	49.1	3237
4	25	RM	21.7	636
4	35	SM	22.4	649
4	35	SE	21.6	623
4	50	SM	25.4	845
4	50	SE	24.6	810
4	70	SM	29.7	1178
4	70	SE	28.8	1126
4	95	SM	33.3	1538
4	95	SE	32.1	1467
4	120	SM	37.2	1903
4	120	SE	35.5	1817
4	150	SM	41.3	2328
4	150	SE	39.4	2223
4	185	SM	45.7	2874
4	185	SE	43.4	2750
4	240	SM	51.2	3646
4	240	SE	48	3465
5	25	RM	23.9	763
5	35	RM	27	986
5	50	RM	31.3	1309
5	70	RM	35.8	1771
5	95	SM	36.5	1891
5	120	SM	39.2	2306
5	150	SM	45.4	2865
5	185	SM	50.1	3534
5	240	SM	55.2	4482

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Current Carrying Capacity						
Nom. CSA	Single Core	Three Single Cores Flat Formation	Three Single Cores Trefoil Formation	Single Core	Three Single Cores Flat Formation	Three Single Cores Trefoil Formation
	LAYING IN AIR AT 30°C (A)			LAYING IN GROUND AT 20°C (A)		
25	136	102	106	177	112	114
35	166	126	130	212	135	136
50	205	149	161	252	158	162
70	260	191	204	310	196	199
95	321	234	252	372	234	238
120	376	273	295	425	268	272
150	431	311	339	476	300	305
185	501	360	395	541	342	347
240	600	427	472	631	398	404
300	696	507	547	716	457	457
400	821	600	643	825	529	525
500	971	695	754	952	609	601
630	1151	-	882	1102	-	687
800	1355	-	1019	1267	-	776
1000	-	-	-	1448	-	865

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De-Rating Factor									
Ambient Temp. (°C)	10	10	20	25	30	35	40	45	50
Rating Factor	1.15	1.15	1.08	1.04	1.000	0.96	0.91	0.87	0.82

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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