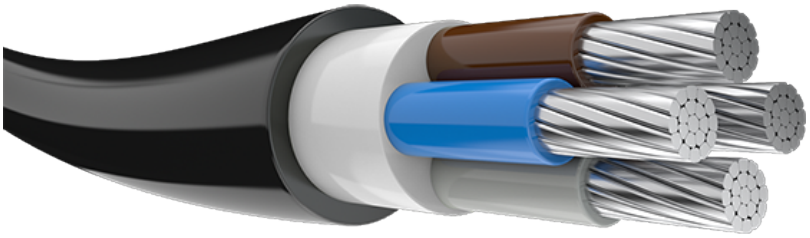
NA2XY (AL/XLPE/PVC)
ALUMINIUM CONDUCTORS, XLPE INSULATED PVC SHEATHED 0,6/1 kV POWER CABLES

APPLICATION

This cable having very low dielectric loss is used indoor, in cable ducts and in industrial plants or switching stations where mechanical damage is not anticipated. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.



ELVARE
ELECTRICAL CABLE

STANDARDS IEC 60502-1
DIN VDE 0276-603

CONSTRUCTION

1 CONDUCTOR

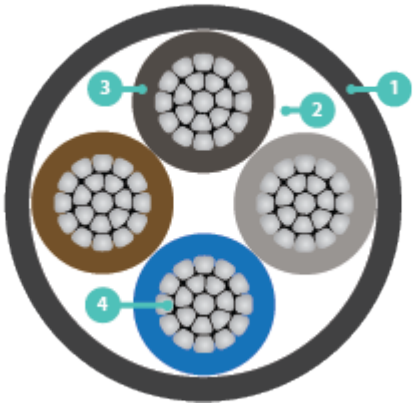
Material of conductor — Stranded aluminium (Class 2)

2 INSULATION

Material of insulation — XLPE (Cross-linked polyethylene)

3 OUTER SHEATH

Material of outer sheath — PVC (Polyvinyl chloride)



TECHNICAL PROPERTIES

Min. Bending radius	15xD
Max operating temperature	90°
Max short circuit temperature	250°
Rated voltage Uo/U	0,6 /1 KV
AC test voltage	3,5 KV
Flame propagation test on single cable	EN 60332-1

TECHNICAL DATA

Rated Cross-section	Overall Diameter of Cable	Net Weight (Approx.)	Conductor DC Resistance at 20C	Current Carrying Capacity	
mm2	mm	kg	ohm/km	ampere 1	ampere 2
1 Core				In Ground	In Air
1 x 16	9,7	105	1,91	-	-
1 x 25	10,9	154	1,20	-	-
1 x 35	12,1	195	0,868	137	131
1 x 50	13,8	250	0,641	163	161
1 x 70	15,5	325	0,443	201	205
1 x 95	17,7	434	0,320	240	253
1 x 120	19,6	521	0,253	274	296
1 x 150	21,7	640	0,206	308	341
1 x 185	24,1	785	0,164	350	395
1 x 240	27,2	1018	0,125	408	475
2 Cores					
2x10	14,4	292	3080	-	-
2x16	16,6	392	1,91	-	-
2x25	21,0	608	1,20	111	100
2x35	23,4	168	0,868	132	122
2x50	27,0	1016	0,641	157	147

31/2Cores					
3x10	15,4	338	3080	-	-
3x16	17,6	446	1,91	-	-
3x25	22,3	678	1,20	111	100
3x35	24,9	864	0,868	132	122
3x50	28,8	1147	0,641	157	147
3x70	32,7	1507	0,443	195	180
3x95	37,3	1992	0,32	233	232
3x120	41,2	2398	0,253	266	270
3x150	46,0	2991	0,206	299	308
3x185	51,2	3688	0,164	340	357
3x240	58,0	4786	0,125	401	435
4 Cores					
4 x 25	24,7	834	1,20	111	100
4 x 35	27,6	1065	0,868	132	122
4 x 50	31,9	1406	0,641	157	147
4 x 70	36,4	1868	0,443	195	180
4 x 95	41,4	2457	0,320	233	232
4 x 120	45,7	2950	0,253	266	270
4 x 150	52	3810	0,206	299	308
4 x 185	57,7	4668	0,164	340	357
4 x 240	65,6	6109	0,125	401	435
5 Cores					
5 x 16	23,1	738	1,91	-	-
5 x 25	26,9	992	1,20	111	100
5 x 35	30,4	1294	0,868	132	122
5 x 50	35,4	1734	0,641	157	147
5 x 70	40,3	2289	0,443	195	180
5 x 95	46,5	3097	0,320	233	232