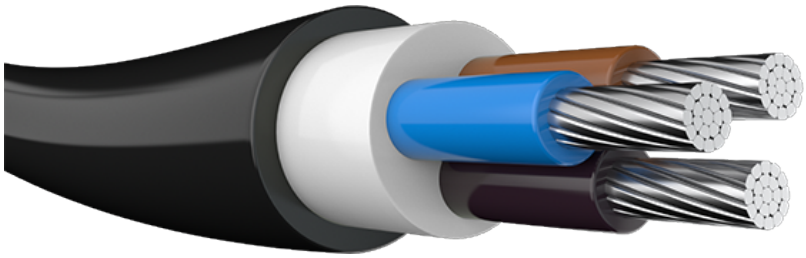
NAYY (AL/PVC/PVC)
ALUMINIUM CONDUCTORS, PVC INSULATED AND SHEATHED 0,6/1 kV POWER CABLES

APPLICATION

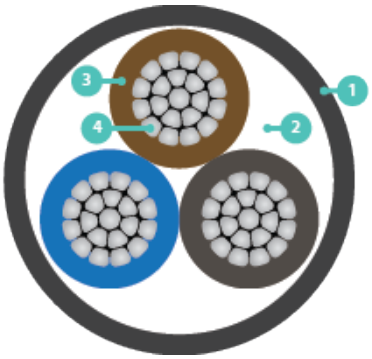
Used as lighting and power distribution cable. Installed in areas where severe mechanical stress is avoided. Can be laid in doors, out-doors, buried or in cable trenches.



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	PVC (Polyvinyl chloride)

3 OUTER SHEATH

Material of outer sheath	PVC (Polyvinyl chloride)

TECHNICAL PROPERTIES

Min. Bending radius	15xD
Max operating temperature	70°
Max short circuit temperature	160°
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

Overall Diameter of Cable	Net Weight (Approx.)	Conductor DC Resistance at 20C	Current Carrying Capacity	
mm	kg	ohm/km	ampere 1	ampere 2
1 core			In Ground	In Air
9,3	120	1,91	-	-
11,5	174	1,20	105	75
12,7	213	0,868	127	113
14,6	277	0,641	151	138
16,1	355	0,443	186	174
18,7	476	0,320	223	210
20,4	568	0,253	254	244
22,5	697	0,206	285	281
24,9	847	0,164	323	320

31/2 Cores				
21,0	635	1,91	-	-
25,0	868	1,20	99	83
27,6	1071	0,868	118	102
32,4	1436	0,641	142	124
36,0	1827	0,443	176	158
41,7	2436	0,320	211	190
45,9	3976	0,253	242	221
50,1	3482	0,206	270	252
56,2	4423	0,164	308	289
63,3	5612	0,125	363	339
4 Cores				
21,0	635	1,91	-	-
26,1	947	1,20	99	83
29,0	1172	0,868	118	102
33,8	1572	0,641	142	124
37,8	2039	0,443	176	158
43,8	2730	0,320	211	190
47,8	3245	0,253	242	221
54,0	4165	0,206	270	252
59,7	5065	0,164	308	289
68,0	6526	0,125	363	339