

NAYY-J/-O

Aluminium power cables 0,6/1 kV



Cable structure

- Solid or stranded Aluminium core according to DIN VDE 0295 class 1 or 2, IEC 62228 and HD 383
- Core insulation of PVC
- Color code 4-cores green-yellow, brown, black, grey
1-core black
- Inner sheath
- Outer sheath of PVC, color black
- Self-extinguishing and flame-retardant according to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1

Technical data

- Power cable according to DIN VDE 0276 part 603, HD 603 and IEC 60502
- **Temperature at conductor** max. +70 °C
- **Temperature range**
during installation from -5 °C to +50 °C
after installation max. +70 °C
- **Short circuit temperature** +160 °C (up to 5 seconds)
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage a.c.** 4000 V
- **Minimum bending radius**
flexing approx. 15× cable diameter
fixed approx. 12× cable diameter

Application

Power cable for energy supply can be installed in open air, underground, in water as well as in cable ducts, where mechanical damages to the cable are not to be expected.

Note

Conform to RoHS

Part No. NAYY-J	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Aluminium weight [kg/km]	Approx. cable weight [kg/km]
0932301	4 × 16	24,0	186	750
0932302	4 × 25	25,0	290	950
0932303	4 × 35	28,1	406	1100
0932304	4 × 50	29,5	580	1200
0932305	4 × 70	35,0	812	1600
0932306	4 × 95	39,0	1102	2100
0932307	4 × 120	43,0	1392	2400
0932308	4 × 150	46,0	1740	3000
0932309	4 × 185	51,0	2146	3700
0932310	4 × 240	56,0	2784	5000

Part No. NAYY-O	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Aluminium weight [kg/km]	Approx. cable weight [kg/km]
0932095A	1 × 50	14,0 - 17,0	145	298
0932096A	1 × 70	16,0 - 19,0	203	383
0932097A	1 × 95	18,0 - 21,0	275	490
0932098A	1 × 120	19,0 - 22,0	348	575
0932099A	1 × 150	21,0 - 25,0	435	695
0932100A	1 × 185	23,0 - 27,0	536	845
0932101A	1 × 240	26,0 - 30,0	696	1100
0932102A	1 × 300	28,0 - 32,0	870	1379
0932103A	1 × 400	32,0 - 37,0	1160	1650
0932558A	1 × 500	35,0 - 40,0	1450	2015