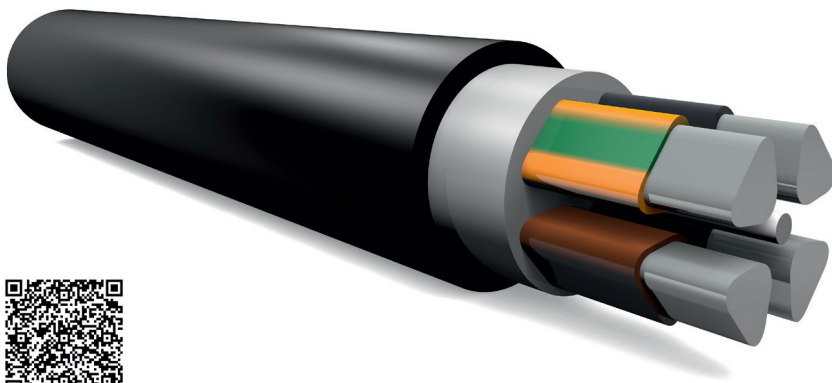


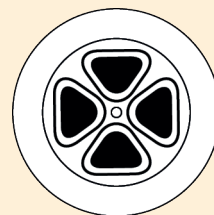
NAYY

Power cable 0.6/1kV



RoHS

CROSS SECTION



Acc. to DIN VDE 0276-603

APPLICATION

Distribution cable for energy suppliers. For use outdoors, underground, in water, in concrete, indoors and in cable ducts for power plants, industrial plants, switchgears and local networks. This cable is flame retardant according to DIN EN 50265-1 and DIN EN 50265-2-1.

STRUCTURE

Type abbreviation	With green and yellow core: NAYY-J 4x 0.6 / 1 (1.2) kV NAYY-O 4x 0.6 / 1 (1.2) kV
Conductor	Aluminium conductor, round, single-cored (RE) or sector-shaped, single-cored (SE)
Cores	Polyvinyl chloride (PVC) insulation NAYY-J: green and yellow, brown, black, grey NAYY-O: blue, brown, black, grey Extruded
Outer sheath	Polyvinyl chloride (PVC), black

TECHNICAL DATA

Nominal voltage	600 V/1000 V
Test voltage	4000 V
Permissible conductor temperature	During uninterrupted operation +70°C
Permissible conductor temperature	During short circuits up to 5 secs at < 300 mm ² +160°C
Fire propagation	DIN EN 50265-1 DIN EN 50265-2-1
Min. bending radius	12 x cable diameter
Installation	Lowest installation temperature -5°C
Radiation resistance	Up to 20 x 10 ⁶ cJ/kg (up to 20 Mrad)

SPECIAL FEATURES

Properties
Aluminium conductor

Product description	Aluminium number (kg/km)	Outer Ø (mm)	Weight (kg/km)	Product number
NAYY-O 1x50 RM	145.0	16.0	350	1069101050
NAYY-O 1x70 RM	203.0	17.0	400	1069101070
NAYY-O 1x95 RM	275.5	19.0	500	1069101095
NAYY-O 1x120 RM	348.0	20.0	600	1069101120
NAYY-O 1x150 RM	435.0	22.0	750	1069101150
NAYY-O 1x185 RM	536.5	24.0	880	1069101185
NAYY-O 1x240 RM	696.0	26.0	1100	1069101240
NAYY-O 1x300 RM	870.0	29.0	1350	1069101300
NAYY-O 1x400 RM	1160.0	33.0	1700	1069101400
NAYY-O 1x500 RM	1450.0	36.0	2100	1069101500
NAYY-O 1x630 RM	1827.0	40.0	2600	1069101630
NAYY-J 4x16 RE	186.0	24.0	750	1069104016
NAYY-J 4x25 RE	290.0	25.0	950	1069104025
NAYY-J 4x35 RE	406.0	28.1	1000	1069104035
NAYY-J 4x50 SE	580.0	29.5	1200	1069104050
NAYY-J 4x70 SE	812.0	35.0	1600	1069104070
NAYY-J 4x95 SE	1102.0	39.0	2100	1069104095
NAYY-J 4x120 SE	1392.0	43.0	2400	1069104120
NAYY-J 4x150 SE	1740.0	46.0	3000	1069104150
NAYY-J 4x185 SE	2146.0	51.0	3700	1069104185
NAYY-J 4x240 SE	2784.0	56.0	5000	1069104240