

NAYY 0,6/1 kV - Multicore power cables with PVC insulation and PVC outersheath



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard DIN VDE 0276-603 (HD 603 S1 Part 3 Section G)
Type designation NAYY

Design features

Conductor Aluminium conductor
Insulation PVC insulation
Outer sheath PVC outersheath
Available colours Black
Marking NAYY-J 4 x 120 SM 0,6/1 kV

Electrical parameters

Rated voltage 0,6/1 kV (600/1000V)
Test voltage (AC) 4 kV

Chemical parameters

Performance against fire EN 60332-1
Lead Free Yes

Thermal parameters

Max. operating temperature of conductor 70 °C
Max. operating temperature of the conductor 90 °C
Max. operating temperature of conductor at short-circuit 160 °C ($\leq 300 \text{ mm}^2$); 140 °C ($300 \text{ mm}^2 <$)
Minimum installation temperature -5 °C

| Number of cores x cross section | Outer diameter nom. mm | Weight (approx.) kg/km | Conductor DC resistance at 20°C Ω /km | Delivery length m |
|---------------------------------|------------------------|------------------------|--|-------------------|
| 4x16RE | 21 | 650 | 1.91 | 1000 |
| 4x25RE | 25.5 | 963 | 1.2 | 1000 |
| 4x35SM | 28 | 1189 | 0.868 | 1000 |
| 4x50SM | 31.8 | 1375 | 0.641 | 1000 |
| 4x70SM | 35.8 | 1783 | 0.443 | 1000 |
| 4x95SM | 40.7 | 2290 | 0.32 | 1000 |
| 4x120SM | 44.6 | 2791 | 0.253 | 1000 |
| 4x150SM | 48.8 | 3319 | 0.206 | 500 |
| 4x185SM | 54.3 | 4130 | 0.164 | 500 |
| 4x240SM | 60.8 | 5202 | 0.125 | 500 |