

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 (≤ 300 mm²); 140 °C (300 mm² <)
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