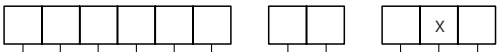
Designation code for power cables
according to DIN VDE 0271/0276

Construction reference



Identifications of designation
N DIN VDE standard
(N) similar to DIN VDE standard

Conductor material
A aluminium conductor
– copper conductor

Insulating materials
Y PVC
2X cross-linked PE (XLPE)
– impregnated paper

Concentric conductor (screen)
C concentric conductor of copper
CW concentric conductor of copper in waveconal formation
CE concentric conductor of copper over each individual core
S screen of copper wires
SE screen of copper wires over each individual core
H conductive layers
(F) longitudinally water-proof screen

Armouring
B steel tape armouring
F armour of galvanized flat steel wires
G counter helix of galvanized steel tape
R armour of galvanized round steel wires

Sheath Material
A oversheath made of fibrous material
K lead sheath
KL aluminium sheath
Y PVC
2Y PE

Protective Conductor
I with protective conductor
O without protective conductor

Number of cores

Conductor cross section in mm²

Conductor type
r... circular conductor
s... sector conductor
o... oval conductor
..e... circular, solid conductor
..m stranded conductor
..h hollow circular conductor
/V compact conductor

Rating Voltage
0,6/1 kV
3,6/6 kV
6,0/10 kV
12/20 kV
18/30 kV

Examples

NA2XS2Y 1 x 35 RM/16 6/10 kV
Single core XLPE-insulated cable with PE-sheath according to standard, circular, stranded aluminium conductor with nominal cross-section 35 mm², covered with copper-screen 16 mm² and rating voltage (U_0/U) 6/10 kV

NYY-J 12 x 1,5 RE 0,6/1 kV
Cable according to standard, PVC-insulated, sheath PVC, with green-yellow marked core, 12 cores with nominal cross-section 1,5 mm², circular conductor, solid, rating voltage 0,6/1 kV