

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 | Y | PVC |
| K lead sheath | 2Y | PE |
| KL aluminium sheath | | |

Protective Conductor _____

- I** with protective conductor
- O** without protective conductor

Number of cores _____

Conductor cross section in mm² _____

Conductor type _____

- | | | |
|----------------------------------|------|---------------------------|
| r... circular conductor | | .. m stranded conductor |
| s... sector conductor | .. h | hollow circular conductor |
| o... oval conductor | V | compact conductor |
| ..e... circular, solid conductor | | |

Rating Voltage _____

- 0.6/1 kV
- 3.6/6 kV
- 6.0/10 kV
- 12/20 kV
- 18/30 kV

