Caledonian

Industrial Cables (German Standard)

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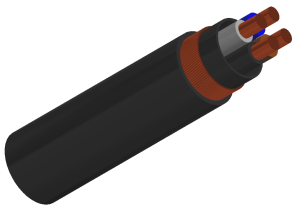
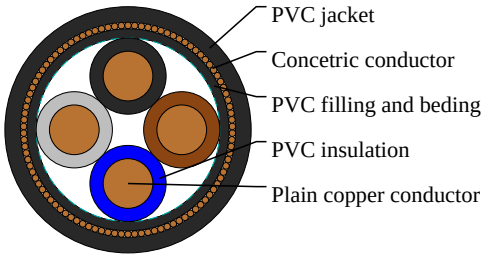
NYCWY





APPLICATIONS

NYCWY Power cables is for energy supply, preferably used for underground laying, especially in subscriber networks, power station as well as control impulses and test data. Overall, where increased electrical and also mechanical protection are required. These cables are installed in open air, in underground, in water, indoors and in cable ducts. The corrugated concentric conductor (CW) is allowed to use as neutral, protective or earth conductor. Simultaneously, this also is permitted to apply as a screen for example earthed-connected protection against contact. Due to the typical construction of corrugated concentric conductors (Ceander), are possible to obtain many more cable joints, without cutting any conductor. In that way the operating reliability is guaranteed.

STANDARDS

VDE 0276 part 603
CENELEC HD603 S1
IEC 60502

VOLTAGE RATING

600/1000V

CABLE CONSTRUCTION

- Solid plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1, IEC 60228 and HD 383
- PVC insulation DIV4 to HD 603.1
- PVC bedding
- Concentric conductor: ceander shaped copper wires and helical copper tape
- PVC outer jacket DMV5 to HD 603.1

COLOUR CODE

Insulation Colour Code
Color coded to DIN VDE 0293-308, 0276 part 603 or HD 186
4 cores - Blue + Brown + Black + Grey

PHYSICAL AND THERMAL PROPERTIES

Test voltage: 4000 volts

- Flexing bending radius: 15 x Ø
- Static bending radius: 12 x Ø
- Flexing temperature: -5º C to +50º C
- Fixed installation temperature: - 40º C to +70º C
- Short circuit temperature: +160º C
- Flame retardant: IEC 60332.1
- Insulation resistance: >100 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No.×mm²		mm	kg/km	kg/km
4 x 16	6	23.5	796	1250