



Caledonian

Industrial Cables (German Standard)

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N2XY



APPLICATIONS

N2XY power cables with insulation of cross-linked polyethylene (XLPE) are designed for distribution and supply of consumers with nominal voltage 0.6/1 kV and frequency 50 Hz in industrial installations and urban networks. They are suitable for fixed indoor assembly in cable ducts and conduits, over shelves and grilles, directly underground in ditch and outdoor under shelters providing the conditions determined for the type of cable.

STANDARDS

VDE 0276 part 603

HD 603.1

VDE 0482-332-1-2

DIN EN 60332-1-2 / IEC 60332-1

VOLTAGE RATING

600/1000V

CABLE CONSTRUCTION

- Stranded, plain copper conductor
- to DIN VDE 0295 cl. 2, BS 6360 cl. 2 and IEC 60228 cl. 2
- XLPE insulation type DIX3 acc. to VDE 0276-603/5G
- PVC filler
- PVC outer jacket DMV6 to HD 603.1

COLOUR CODE

Insulation Colour Code

Color coded to DIN VDE 0293-308

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 4000 volts
- Minimum bending radius: 15 x Ø
- Flexing temperature: -5° C to +70° C
- Fixed installation temperature: - 30° C to +70° C



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- Short circuit temperature: +250° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >20 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm ²		mm	mm	mm	kg/km	kg/km
1x35	2	0.9	1.8	13.5	317	445