



Reference: 10107094
EAN 13: 3427580155796

CONTACT

Market information
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- 0.6/1kV Power and control cables
- **Oil resistant.**

STANDARDS

Product IEC 60228; IEC 60502-1

Test IEC 60332-3-22 Cat.A

APPLICATIONS

These power and control cables are used for electricity supply in **low voltage installation system where chemicals may be present.**

Design

Conductor:

Solid plain copper: 1.5 to 4 mm²

Stranded plain copper: 1.5 to 630 mm²

Insulation:

Cross-linked polyethylene (XLPE)

Bedding(optional):

Inner sheath acting as a filler with practically zero thickness or assembling polyester tape

Outer sheath:

Polyvinyl chloride (PVC). Colour: black. Other colour on request.

Core identification

1 core: black

2x to 5G cores: according to HD 308 S2

Above 5 cores: black core printed with white number.

Marking

NEXANS 279 XLPE/PVC 0.6/1 kV Nber of cores and cross section Cu IEC 60332-3-22 (A) MM YYYY manufacturing number + meter marking



Rated Voltage U₀/U (Um)
 0,6/1 kV



Fire retardant
 EN IEC 60332-3-22 (cat A)



Oil resistance
 Yes



Max.conductor temp.in service
 90 °C



Operating temp.
 -20 ... 60 °C

CHARACTERISTICS

Construction characteristics

| | |
|------------------------|----------------------------------|
| Conductor material | Plain copper |
| Type of conductor | Stranded, class 2 |
| Insulation | XLPE (Cross-linked Polyethylene) |
| Outer sheath | PVC |
| With Green/Yellow core | No |
| Screen | - |

Dimensional characteristics

| | |
|--------------------------|---------------------|
| Number of cores | 4 |
| Conductor cross-section | 150 mm ² |
| Conductor diameter | 14.17 mm |
| Diameter over insulation | 16.97 mm |
| Minimum outer diameter | 44.88 mm |
| Maximum outer diameter | 49.5 mm |
| Approximate weight | 6687.63 kg/km |

Electrical characteristics

| | |
|--------------------------------------|----------|
| Rated Voltage U ₀ /U (Um) | 0,6/1 kV |
|--------------------------------------|----------|

Usage characteristics

| | |
|---------------------------------------|---------------------------|
| Fire retardant | EN IEC 60332-3-22 (cat A) |
| Oil resistance | Yes |
| Max. conductor temperature in service | 90 °C |
| Operating temperature, range | -20 ... 60 °C |

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

- 1 core: 9 x outer diameter
- Multicores: 6 x outer diameter
- To be doubled during laying operations

Cables with reduced neutral on request.



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