



**Reference:** 10107091  
**EAN 13:** 3427580155765

**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 mm<sup>2</sup>

Stranded plain copper: 1.5 to 630 mm<sup>2</sup>

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 U<sub>0</sub>/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  | 70 mm <sup>2</sup> |
| Conductor diameter       | 9.8 mm             |
| Diameter over insulation | 12.0 mm            |
| Minimum outer diameter   | 32.44 mm           |
| Maximum outer diameter   | 35.8 mm            |
| Approximate weight       | 3250.01 kg/km      |

### Electrical characteristics

|                                      |          |
|--------------------------------------|----------|
| Rated Voltage U <sub>0</sub> /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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