



Reference: 10137888
EAN 13: 3427580331329

CONTACT

Market information
 industryprojects.business@lynxgroup.com

- Power cables 3.6/6 (7.2) kV, 6/10 (12) kV, 8.7/15 (17.5) kV, 12/20 (24) kV, 18/30 (36) kV
- **Oil resistant.**

STANDARDS

Product IEC 60228; IEC 60502-2

Test IEC 60332-3-22 Cat.A

APPLICATIONS

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

Design

Conductor:

Stranded bare copper (class 2);

Semi-conductor

Insulation:

Cross-linked polyethylene (XLPE)

Semi-conductor

Screen:

Copper tape

Bedding (Optional):

An inner sheath acting as a filler with practically zero thickness

Outer sheath:

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

Core identification

1 core: natural

3 x: black – green – brown (by tape under copper screen)

Marking

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



Rated Voltage U₀/U_m
 8.7 / 15 (17.5) 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



U.V resistance
 Yes

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|----------------------------------|
| Conductor material | Bare copper |
| Type of conductor | Stranded, class 2 |
| Insulation | XLPE (Cross-linked Polyethylene) |
| Screen | Copper tape |
| Outer sheath | PVC |
| Protection | no |

Dimensional characteristics

| | |
|--------------------------|--------------------|
| Number of cores | 1 |
| Conductor cross-section | 50 mm ² |
| Conductor diameter | 8.2 mm |
| Diameter over insulation | 18.4 mm |
| Diameter over screen | 19.8 mm |
| Minimum outer diameter | 29.9 mm |
| Maximum outer diameter | 33.0 mm |
| Approximate weight | 1509 kg/km |

Electrical characteristics

| | |
|--------------------------------------|--------------------|
| Rated Voltage U ₀ /U (Um) | 8.7 / 15 (17.5) 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 |
| U.V resistance | Yes |

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: 10 x outer diameter
- 3x: 8 x outer diameter
- To be doubled during laying operations

Aluminium conductors available on request



Rated Voltage U₀/U (Um)
8.7 / 15 (17.5) 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



U.V resistance
Yes