



**Reference:** 10156421  
**EAN 13:** 3427580379512

#### 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 U<sub>0</sub>/U (U<sub>m</sub>)  
 18 / 30 (36) 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	25 mm <sup>2</sup>
Conductor diameter	6.1 mm
Diameter over insulation	26.3 mm
Diameter over screen	27.7 mm
Minimum outer diameter	37.5 mm
Maximum outer diameter	41.4 mm
Approximate weight	1910 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	18 / 30 (36) 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 U<sub>0</sub>/U (U<sub>m</sub>)  
18 / 30 (36) 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