



**Reference:** 10107644  
**EAN 13:** 3427580159022

#### CONTACT

Market information  
 industryprojects.business@lynxgroup.com

- 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	27
Conductor cross-section	2.5 mm <sup>2</sup>
Conductor diameter	1.91 mm
Diameter over insulation	3.31 mm
Minimum outer diameter	24.83 mm
Maximum outer diameter	27.4 mm
Approximate weight	1200.67 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (Um)	0,6/1 kV
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### 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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