



Reference: 10110758
EAN 13: 3427580187629

CONTACT

Market information
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- 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 (U_m)
 12 / 20 (24) 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	400 mm ²
Conductor diameter	23.7 mm
Diameter over insulation	35.9 mm
Diameter over screen	37.3 mm
Minimum outer diameter	46.9 mm
Maximum outer diameter	51.7 mm
Approximate weight	5494 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	12 / 20 (24) 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
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



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EN IEC 60332-3-22 (cat A)



Oil resistance
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90 °C



Operating temp.
-20 ... 60 °C



U.V resistance
Yes