



Reference: 10107871
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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 mm²

Stranded plain copper: 1.5 to 630 mm²

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 U₀/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	Yes
Screen	-

Dimensional characteristics

Number of cores	5
Conductor cross-section	300 mm ²
Conductor diameter	20.6 mm
Diameter over insulation	24.2 mm
Minimum outer diameter	70.36 mm
Maximum outer diameter	77.6 mm
Approximate weight	16650.24 kg/km

Electrical characteristics

Rated Voltage U ₀ /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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