



Reference: 10138176
EAN 13: 3427580334207

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
- With lead sheath (LC)
- Armoured with galvanized steel tapes (GSTA) or aluminium tapes (ATA)
- **Aliphatic and aromatic hydrocarbons 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**. They are well adapted to **underground use** in industrial applications, in moist areas, where **hydrocarbon and mechanical protections are needed**. The lead cover brings an enhanced resistance to aromatic hydrocarbons.

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

Inner sheath:

Polyvinyl chloride (PVC)

Lead cover(lead sheath)

Armour:

Paraffin-waxed crepe paper

Galvanized steel tapes (GSTA) or aluminium tapes (ATA) for 1 core cable

Outer sheath:

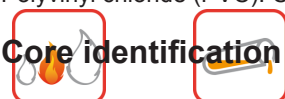
Polyvinyl chloride (PVC). Colour: red. Other colour on request



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



Mechanical resistance to impacts
Good



Core identification
1 core: natural
Fire retardant
320 IEC 60332-3-22 (cat A)



Chemical resistance
Aliphatic and aromatic hydrocarbons resistant



Max conductor temp in service
90 °C



Operating temp.
20... 60 °C



U.V resistance
Yes

Marking

NEXANS 279 XLPE/PVC/LC/GSTA or ATA/PVC VOLTAGE Nber of cores and cross-

section Cu/Alu IEC 60332-3-22(A) MM YYYY Manufacturing number + metric marking.

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Screen	Copper tape
Inner sheath	PVC
Armour type	Galvanized steel tapes
Outer sheath	PVC
Lead Sheath	Yes
Protection	Yes

Dimensional characteristics

Number of cores	3
Conductor cross-section	150 mm ²
Conductor diameter	14.17 mm
Diameter over insulation	24.37 mm
Diameter over screen	25.8 mm
Diameter over inner sheath	60.8 mm
Diameter over lead sheath	65.6 mm
Diameter over armour	69.4 mm
Minimum outer diameter	74.1 mm
Maximum outer diameter	81.7 mm
Approximate weight	15281 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	8.7 / 15 (17.5) kV
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Mechanical characteristics

Mechanical resistance to impacts	Good
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Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
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) on request.



Rated Voltage U₀/U (U_m)
8.7 / 15 (17.5) kV



Mechanical resistance to impacts
Good



Fire retardant
EN IEC 60332-3-22 (cat A)



Chemical resistance
Aliphatic and aromatic hydrocarbons resistant



Max. conductor temp. in service
90 °C



Operating temp.
-20 ... 60 °C



U.V resistance
Yes

Minimum bending radius:

- 1 core: 10 x outer diameter
- 3 cores: 8 x outer diameter
- To be double during laying operations

Aluminium conductors available on request.



Rated Voltage U_0/U
(Um)
8.7 / 15 (17.5) kV



Mechanical resistance
to impacts
Good



Fire retardant
EN IEC 60332-3-22
(cat A)



Chemical resistance
**Aliphatic and
aromatic
hydrocarbons
resistant**



Max. conductor temp. in
service
90 °C



Operating temp.
-20 ... 60 °C



U.V resistance
Yes