



**Reference:** 10193117  
**EAN 13:** 3427580556685

#### CONTACT

Market information  
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- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- **Oil resistant**

#### STANDARDS

**Test** IEC 60332-3-22 Cat.A

#### APPLICATIONS

These instrumentation and communication cable are used to **transmit analogue or digital signals in measurement and process control where chemicals may be present. The individual screening of each pair limits the consequence of crosstalk.**

#### Design

##### Conductor:

Stranded bare copper class 2

##### Insulation:

Cross-linked polyethylene (XLPE)

##### Individual screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Polyester tape

##### Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

##### Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

Other colour on request.

#### Core identification

Pair: white - black

White core printed with pair number



Rated Voltage  $U_0/U$  (Um)  
**170/300V**



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



Oil resistance  
**EN IEC 60332-3-22 (A)**



Resistance to magnetic interference  
**EN IEC 60332-3-22 (A)**



Operating temp.  
**20+/-10°C**



Max. conductor temp. in service  
**90 °C**

#### Marking

**NEXANS 279 XLPE/IND+OA SCP/PVC 170/300V Nbr of pairs & cross section Cu IEC 60332-3-22 (A) MM YYYY** Manufacturing number Metric marking

#### Standards

EN 50288-7 (Design guide-lines)

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)
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Outer sheath	PVC
Protection	no

### Dimensional characteristics

Number of pairs	2
Conductor cross-section	2.5 mm <sup>2</sup>
Conductor diameter	1.91 mm
Diameter over insulation	2.57 mm
Minimum outer diameter	13.1 mm
Maximum outer diameter	14.4 mm
Approximate weight	234 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (Um)	170/300V
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### Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Oil resistance	Yes
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Standard	EN

## 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:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Rated Voltage U<sub>0</sub>/U (Um)  
170/300V



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



Oil resistance  
Yes



Electro magnetic interference  
resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp. in  
service  
90 °C