



**Reference:** 10112066  
**EAN 13:** 3427580200601

#### CONTACT

Market information  
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- Instrumentation cables 300/500 V
- XLPE insulation (Part 1)
- Unarmoured (Type 1)
- 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:

Solid, stranded or flexible bare copper

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Individual screen:

Binder tape

Tinned copper drain wire,

Aluminium/polyester tape

Binder tape

#### Overall screen:

Binder tape

Tinned copper drain wire,

Aluminium/polyester tape

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

### Core identification

Pair: black - white

White core printed with pair number

On request: according to PAS 5308 part 1



Rated Voltage  $U_0/U$  (Um)  
**300/500 V**



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



**Marking**  
Yes



Electro magnetic interference  
resistance  
**Yes**



Operating temp.  
**-20 ... 60 °C**



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

NEXANS 279 XLPE/IND.+OA.SCR/PVC 300/500V Nber of pairs & cross-section Cu IEC 60332-3-22(A) MM YYYY Manufacturing number + metric marking

### Standards

All drawings, designs, specifications, plans and particulars of weights, size and dimensions conforming to the PAS 5308 Part 1/Type 1 (Design guide-lines) of Lynxéo is indicative only and shall not be binding. It is created as constituting a representation on the part of Lynxéo.  
BS EN 60228-2003  
BS EN 50290-2-29

## CHARACTERISTICS

### Construction characteristics

Conductor material	Bare copper
Type of conductor	Solid, Class 1
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	20
Conductor cross-section	1 mm <sup>2</sup>
Conductor diameter	1.14 mm
Diameter over insulation	2.34 mm
Minimum outer diameter	26.6 mm
Maximum outer diameter	29.3 mm
Approximate weight	1098 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	300/500 V
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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	PAS

## 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 (U<sub>m</sub>)  
300/500 V



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