



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

STANDARDS

Test IEC 60331; 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. They maintain circuit integrity when exposed to fire.**

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Copper 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 resistant
IEC 60331



Marking



Oil resistance
Yes



Electro-magnetic
interference resistance
Yes



Operating temp.
20 - 60 °C



Cross-section Cu IEC
50 °C

NEXANS 279 SILIND-0A.SCR/PVC 170/300V No. of pairs & cross-section Cu IEC
60331 IEC 60332-3-22(A) MM YYY 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.

CONTACT

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CHARACTERISTICS**Construction characteristics**

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	Silicone rubber
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + copper polyester tape
Outer sheath	PVC
Protection	no

Dimensional characteristics

Number of pairs	5
Conductor cross-section	0.75 mm ²
Conductor diameter	1.1 mm
Diameter over insulation	2.26 mm
Minimum outer diameter	14.5 mm
Maximum outer diameter	16.9 mm
Approximate weight	273 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	170/300V
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Usage characteristics

Fire resistant	IEC 60331
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 U₀/U (Um)
170/300V



Fire resistant
IEC 60331



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