



- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- Aliphatic and aromatic hydrocarbons resistant

### STANDARDS

Test IEC 60331; IEC 60332 - 3 - 22 Cat.A

### APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons. They maintain circuit integrity when exposed to fire.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Silicone rubber (Sil)

#### Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

#### Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

#### Lead sheath

#### Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

#### Armour:

Galvanized steel wires (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

### CONTACT

Market information  
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Uo/U  
170/300V



Mechanical  
resistance to  
impacts  
Good



Fire resistant  
EN IEC  
60331  
60332



Fire resistant  
EN IEC  
60331  
60332



Chemical  
resistance  
Aliphatic  
aromatic  
hydrocarbons  
resistant



Electro magnetic  
interference  
resistant  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service

Other colour on request.

Core identification  
Fire resistant  
EN IEC  
60331  
60332

Fire resistant  
EN IEC  
60331  
60332  
White core printed with pair number



Electro magnetic  
interference  
resistant  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service

### Marking

NEXANS 279 SIL/OSA/SGR/LSZH/LC/PVC/SWA/BVC 170/300V Number of pairs & dimensions section on the IEC 60331 or IEC 60332 document (At MM Lynx<sup>eo</sup> Manufacturing inductive only and its marking binding on Lynx<sup>eo</sup> or be treated as constituting a representation on the part of Lynx<sup>eo</sup>.

### Standards

## CHARACTERISTICS

	2 ( )
Overall screen	Tinned copper drain wire + aluminium/polyester tape Low smoke, zero halogen thermoplastic compound
Lead Sheath	Yes
Intermediate sheath	PVC
Armour type	
Protection	Yes
Number of pairs	30
	0.75 mm <sup>2</sup>
	1.1 mm
Diameter over insulation	2.26 mm
Diameter over inner sheath	29 mm
Diameter over lead sheath	32 mm
Diameter over intermediate sheath	34.4 mm
Diameter over armour	37.6 mm
Minimum outer diameter	37.6 mm
Maximum outer diameter	43.9 mm
( )	4057 kg/km
Uo/U (Um)	170/300V
Mechanical resistance to impacts	Good
Fire resistant	IEC 60331
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Electro magnetic interference resistance	Yes
操作度范	- 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) on request.



Uo/U  
(Um)  
170/300V



Mechanical  
resistance to  
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Good



Fire resistant  
IEC 60331



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



Chemical  
resistance  
Aliphatic and  
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hydrocarbons  
resistant



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service  
90 ° C

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Uo/U  
(Um)  
170/300V



Mechanical  
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Fire resistant  
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