



CONTACT

Market information
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- 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



Uo/U
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



Fire resistant
EN IEC
60332 Cat
A



Chemical
resistance
to aliphatic
and 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
60332 Cat
A

Fire resistant
EN IEC
60332 Cat
A



Electro magnetic
interference
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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 60332-3-22 (Cat.A) M Lynxéo Manufacturing
indication by metal marking binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

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	
	2.5 mm ²	
	1.91 mm	
Diameter over insulation	3.07 mm	
Diameter over inner sheath	38.7 mm	
Diameter over lead sheath	42.3 mm	
Diameter over intermediate sheath	45.1 mm	
Diameter over armour	49.1 mm	
Minimum outer diameter	48.5 mm	
Maximum outer diameter	56.6 mm	
()	7190 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
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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



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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impacts
Good



Fire resistant
IEC 60331



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



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