



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
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
Quad: white/black/red/blue (2 pairs)
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 or IEC 60332-3-22 (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		5
		2.5 mm ²
		1.91 mm
Diameter over insulation		3.07 mm
Diameter over inner sheath		17.6 mm
Diameter over lead sheath		20 mm
Diameter over intermediate sheath		22 mm
Diameter over armour		24.5 mm
Minimum outer diameter		25.7 mm
Maximum outer diameter		29.8 mm
()		1996 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
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



U_o/U
(U_m)
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



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



Chemical
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Aliphatic and
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- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C