



Reference: 10186730  
EAN 13: 3427580519673

#### 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 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.

#### Design

##### Conductor:

Stranded bare copper class 2

##### Insulation:

Cross - linked polyethylene (XLPE)

##### Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

##### Inner sheath:

Polyvinyl chloride (PVC)

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 retardant  
EN IEC  
60332-3  
Cat. A



Chemical  
resistance  
Aliphatic  
aromatic  
hydrocarbons  
resistant



Electro magnetic  
interference  
standards  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service



Min. dynamic  
operating bending  
270.0 mm

Other colour on request.  
Core identification  
Pair: white - black  
Quad: white - black - red - blue (2 pair cables assembled as a quad)  
White core marked with pair number

#### Marking

NEXANS 279 XLPE/OS-SCR/PVC/LC/PVC/SWA/PVC 170/300V Nber of pairs & cross section in IEC 60332-3 22 Cat.A MM YYY Manufacturing number + metric marking  
All drawings, designs, specifications, plans and particulars of weights, size and dimensions are subject to change without notice and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

#### Standards

## CHARACTERISTICS

	2 ( )
	XLPE(가 )
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Lead Sheath	Yes
Intermediate sheath	PVC
Armour type	
Protection	Yes
Number of pairs	5
	2.5 mm <sup>2</sup>
	1.91 mm
Diameter over insulation	2.57 mm
Diameter over inner sheath	15.1 mm
Diameter over lead sheath	17.3 mm
Diameter over intermediate sheath	19.3 mm
Diameter over armour	21.8 mm
Minimum outer diameter	24.4 mm
Maximum outer diameter	27.0 mm
( )	1678 kg/km
Uo/U (Um)	170/300V
Mechanical resistance to impacts	Good
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
Minimum dynamic operating bending radius	270.0 mm
Standard	EN

## SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332 - 1 or IEC 60332 - 3 - 24(C) on request.



Uo/U  
170/300V



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



Chemical  
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Aliphatic and  
aromatic  
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resistant



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service  
90 ° C



Min. dynamic  
operating bending  
rad.  
270.0 mm

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  
resistance to  
impacts  
Good



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



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