



#### CONTACT

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

#### STANDARDS

Test IEC 60332 - 3 - 22 Cat.A

#### APPLICATIONS

These Instrumentation and communication are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). The individual screening of each pair limits the consequence of crosstalk.

#### Design

##### Conductor:

Stranded bare copper class 2

##### Insulation:

Cross - linked polyethylene (XLPE)

##### Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

##### Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

##### Inner sheath:

Polyvinyl chloride (PVC)

##### Armour:

Galvanized steel wires (SWA)

##### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request



Uo/U (Um)  
170/300V



Mechanical  
resistance to  
impacts  
Good



Core identification  
Pair: white - black  
Wire retardant  
EN IEC 60332 - 3 - 22 (cat A) Yes



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp.in service  
90 ° C

#### Marking

NEXANS 279 XLPE/IND.+OA.SCR/PVC/SWA/PVC 170/300V Nber of pairs & cross - section Cu IEC 60332 - 3 - 22(A) MM YYYY Manufacturing number + metric marking

All drawings, designs, specifications, plans and particulars of weights, size and dimensions defined in the technical or commercial documentation of Lynx<sup>eo</sup> is indicative only and shall not be binding on Lynx<sup>eo</sup> or be treated as constituting a representation on the part of Lynx<sup>eo</sup>.  
EN 50288 - 7 (design guide - lines)

## CHARACTERISTICS

	2 ( )	
	XLPE(가 )	
Individual screen	Tinned copper drain wire + aluminium/polyester tape	
Overall screen	Tinned copper drain wire + aluminium/polyester tape	
Armour type		
Protection	Yes	
Number of pairs	30	
	2.5 mm <sup>2</sup>	
	1.91 mm	
Diameter over insulation	2.57 mm	
Diameter over inner sheath	34.1 mm	
Diameter over armour	37.3 mm	
Minimum outer diameter	40.1 mm	
Maximum outer diameter	44.2 mm	
( )	3358 kg/km	
Uo/U (Um)	170/300V	
Mechanical resistance to impacts	Good	
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)	
Oil resistance	Yes	
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) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations



Uo/U (Um)  
170/300V



Mechanical resistance to impacts  
Good



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

Tinned copper conductors available on request



U<sub>0</sub>/U (Um)  
170/300V



Mechanical resistance to impacts  
Good



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



Oil resistance  
Yes



Electro magnetic interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



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90 °C