



**Reference:** 10134915  
**EAN 13:** 3427580319563

### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

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

### STANDARDS

**Ensayo** 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:



Tensión nominal de servicio U<sub>0</sub>/U  
**170/300V**



Resistencia mecánica a impactos  
**Buena**



Polyvinyl chloride (PVC)  
Colour: black  
**Other colour on request**  
Resistencia a interferencias electromagnéticas  
**Aliphatic and aromatic hydrocarbons resistant**



Resistencia a interferencias electromagnéticas  
**EN IEC 60332-3-22 (cat. A)**  
**Core identification**



Resistencia a interferencias electromagnéticas  
**SI**



Temp. ambiente de utilización  
**-20 ... 60 °C**



Max. conductor temp. in service  
**90 °C**



Min. dynamic operating bending rad.  
**141,0 mm**

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)

All white cores designed with pair number and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

### Marking

NEXANS 279 XLPE/OA.SCR/PVC//LC/PVC/SWA/PVC 170/300V Nber of pairs & cross-

### CHARACTERISTICS

#### Características de construcción

Material del conductor	Cobre desnudo
Type of conductor	Stranded, class 2
Aislamiento	XLPE
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta interior	PVC
Lead Sheath	Yes
Intermediate sheath	PVC
Tipo de armadura	Alambres de acero galvanizado
Cubierta exterior	PVC
Protección	Yes

#### Características dimensionales

Número de pares	1
Sección del conductor	1 mm <sup>2</sup>
Diámetro del conductor	1,28 mm
Diámetro sobre aislamiento	1,76 mm
Diameter over inner sheath	5 mm
Diameter over lead sheath	6,6 mm
Diameter over intermediate sheath	8,6 mm
Diameter over armour	10,4 mm
Diámetro exterior mínimo	12,8 mm
Diámetro exterior máximo	14,1 mm
Peso aproximado	476 kg/km

#### Características eléctricas

Tensión nominal de servicio U <sub>0</sub> /U	170/300V
---	----------

#### Características mecánicas

Resistencia mecánica a impactos	Buena
---------------------------------	-------

#### Características de uso

No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia química	Aliphatic and aromatic hydrocarbons resistant
Resistencia a interferencias electromagnéticas	Si
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Radio de curvatura mínimo en operación dinámica	141,0 mm
Standard	EN



Tensión nominal de servicio U<sub>0</sub>/U  
170/300V



Resistencia mecánica a impactos  
Buena



No propagador del incendio  
EN IEC 60332-3-22 (cat A)



Resistencia química  
Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas  
Si



Temp. ambiente de utilización  
-20 ... 60 °C



Max. conductor temp. in service  
90 °C



Min. dynamic operating bending rad.  
141,0 mm

### SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Tensión nominal de servicio U<sub>o</sub>/U  
**170/300V**



Resistencia mecánica a impactos  
**Buena**



No propagador del incendio  
**EN IEC 60332-3-22 (cat A)**



Resistencia química  
**Aliphatic and aromatic hydrocarbons resistant**



Resistencia a interferencias electromagnéticas  
**Si**



Temp. ambiente de utilización  
**-20 ... 60 °C**



Max. conductor temp. in service  
**90 °C**



Min. dynamic operating bending rad.  
**141,0 mm**