



- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Lead free
- Aliphatic and aromatic hydrocarbons resistant

### STANDARDS

Ensayo IEC 60332-3-22 Cat.A

### APPLICATIONS

These instrumentation and communication cable are used to **transmit analogue or digital signals in measurement and process control in moist areas and where aliphatic and aromatic hydrocarbons may be present. Hypron® offers an alternative to conventional lead covered cable and is an environmental friendly solution.**

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Binder tape

#### Bedding

#### Inner sheath:

Polyvinyl chloride (PVC).

Colour: black.

#### Overall screen/sealing barrier:

Tinned copper drain wire,

Aluminium backed polyethylene tape

#### Bedding:

High density polyethylene (PE)

Colour: black

#### Special sheath (intermediate sheath):

Polyamide

#### Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

Other colour on request.

No propagador del incendio  
EN IEC 60332-3-22

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



Libre de plomo  
SI



Tensión nominal de servicio Uo/U  
170/300V



### Core identification

Pair: white - black

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

All white core printed with pair number

White core printed 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/PVC/AL/HDPE/NC/PVC 170/300V Nber of pairs & cross-section

### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

### CHARACTERISTICS

#### Características de construcción

Material del conductor	Cobre desnudo
Type of conductor	Stranded, class 2
Aislamiento	XLPE
Cubierta interior	PVC
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	High-density polyethylene (PE)
Intermediate sheath	Polyamide
Cubierta exterior	PVC
Libre de plomo	Sí
Protección	no

#### Características dimensionales

Número de pares	2
Sección del conductor	2,5 mm <sup>2</sup>
Diámetro del conductor	1,91 mm
Diámetro sobre aislamiento	2,57 mm
Diameter over inner sheath	8,7 mm
Diameter over intermediate sheath	15,1 mm
Diámetro exterior mínimo	17,3 mm
Diámetro exterior máximo	19,1 mm
Peso aproximado	437 kg/km

#### Características eléctricas

Tensión nominal de servicio U <sub>o</sub> /U	170/300V
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#### 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	Sí
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Standard	EN

### SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:



Libre de plomo  
Sí



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170/300V



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(cat A)



Resistencia química  
Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas  
Sí



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



Max. conductor temp. in service  
90 °C

15 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Libre de plomo  
SI



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



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