



- 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 eléctricas

| | |
|----------------------------------|----------|
| Tensión nominal de servicio Uo/U | 170/300V |
|----------------------------------|----------|

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 |

SECTION 1.0MM²

| nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diam. intermediate sheath [mm] | Diámetro exterior mínimo [mm] | Diámetro ext. máximo [mm] | Peso aprox. [kg/km] |
|----------|----------------------|----------------------------|------------------------------|--------------------------------|-------------------------------|---------------------------|---------------------|
| 1 | 1,28 | 1,76 | 6 | 9,2 | 14,8 | 16,3 | 284 |
| 2 | 1,28 | 1,76 | 6,8 | 10 | 15,5 | 17,1 | 324 |
| 5 | 1,28 | 1,76 | 11,4 | 14,7 | 20,1 | 22,1 | 459 |
| 10 | 1,28 | 1,76 | 14,9 | 18,4 | 23,7 | 26,1 | 650 |
| 20 | 1,28 | 1,76 | 19,3 | 23 | 28,1 | 31,0 | 958 |
| 30 | 1,28 | 1,76 | 23 | 26,7 | 31,7 | 35,0 | 1263 |

SELLING AND DELIVERY INFORMATION

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



Libre de plomo
Sí



Tensión nominal de servicio Uo/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
Sí



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



Max. conductor temp. in service
90 °C

Minimum bending radius:

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_o/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