



Reference: 10187587  
EAN 13: 3427580528828

#### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- 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.** They are well adapted to **underground 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. Hypron® offers an alternative to conventional lead sheathed cable and is an environmental friendly solution.

#### Design

##### Conductor:

Stranded bare copper class 2

##### Insulation:

Cross-linked polyethylene (XLPE)

##### Individual screen:

Binder tape

Tinned copper drain wire

Aluminium/polyester tape

Binder tape

##### Binder tape:

##### Bedding:

##### Inner sheath:

Polyvinyl chloride (PVC)

Colour: black.

##### Overall screen/sealing barrier:

Tinned copper drain wire

Aluminium backed polyethylene tape



Libre de plomo  
Si



Tensión nominal de servicio Uo/U  
170/300V



Bedding:  
High density polyethylene (PE)  
No propagador del incendio  
EN IEC 60332-3-22  
Buena resistencia a impactos  
Special sheath (intermediate sheath)



Colour: black



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

Polyamide

##### Armour:

All drawings, designs, specifications, plans 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. Galvanized steel wires (SWA)

##### Outer sheath:

### CHARACTERISTICS

#### Características de construcción

Material del conductor	Cobre desnudo
Type of conductor	Stranded, class 2
Aislamiento	XLPE
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta interior	PVC
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	High-density polyethylene (PE)
Intermediate sheath	Polyamide
Tipo de armadura	Alambres de acero galvanizado
Cubierta exterior	PVC
Libre de plomo	Sí
Protección	Yes

#### Características dimensionales

Número de pares	5
Sección del conductor	0,5 mm <sup>2</sup>
Diámetro del conductor	0,9 mm
Diámetro sobre aislamiento	1,38 mm
Diameter over inner sheath	10,1 mm
Diameter over intermediate sheath	13,5 mm
Diameter over armour	15,3 mm
Diámetro exterior mínimo	20,7 mm
Diámetro exterior máximo	22,8 mm
Peso aproximado	675 kg/km

#### Características eléctricas

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



Libre de plomo  
Sí



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  
Sí



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



Max. conductor  
temp. in service  
90 °C

**SELLING AND DELIVERY INFORMATION**

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

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 Uo/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**