



### CONTACT

Market information  
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- 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 cables 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...)**. 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)

#### 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



Libre de plomo  
Si



Tensión nominal de  
servicio Uo/U  
170/300V



Armour:  
Galvanized steel wires (SWA)



Other sheath:  
No propagador del  
incendio  
EN IEC 60332-3-22  
Cat.A  
Polyvinyl chloride (PVC)



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

Colour: black

Other colour on request

### Core identification

Pair: white - black

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. This document is constituting a representation on the part of Lynxéo.

## 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
Tipo de armadura	Alambres de acero galvanizado
Cubierta exterior	PVC
Libre de plomo	Sí
Protección	Yes

### Características dimensionales

Número de pares	30
Sección del conductor	0,5 mm²
Diámetro del conductor	0,9 mm
Diámetro sobre aislamiento	1,38 mm
Diameter over inner sheath	18,6 mm
Diameter over intermediate sheath	22,3 mm
Diameter over armour	24,8 mm
Diámetro exterior mínimo	29,9 mm
Diámetro exterior máximo	33,0 mm
Peso aproximado	1433 kg/km

### Características eléctricas

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

Resistencia mecánica a impactos	Buena
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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



Libre de plomo  
Sí



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  
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