



Reference: 10187707
EAN 13: 3427580527821

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

Armour:

Galvanized steel wires (SWA)

Other sheath:
Resistencia química a incendios impactos mecánicos Buena
Propagador del incendio
EN IEC 60332-3-22
Polyvinyl chloride (PVC)

Resistencia química a 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



Other sheath:
Resistencia química a incendios impactos mecánicos Buena
Propagador del incendio
EN IEC 60332-3-22
Polyvinyl chloride (PVC)



Resistencia química a 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.

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.

Core identification

Pair: white - black

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 | 10 |
| Sección del conductor | 2,5 mm ² |
| Diámetro del conductor | 1,91 mm |
| Diámetro sobre aislamiento | 2,57 mm |
| Diameter over inner sheath | 20,4 mm |
| Diameter over intermediate sheath | 23,9 mm |
| Diameter over armour | 26,4 mm |
| Diámetro exterior mínimo | 31,4 mm |
| Diámetro exterior máximo | 34,7 mm |
| Peso aproximado | 1702 kg/km |

Características eléctricas

| | |
|---|----------|
| Tensión nominal de servicio U ₀ /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 U₀/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