



CONTACT

Market information
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- 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. The individual screening of each pair limits the consequence of crosstalk. 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)

Individual screen:

Binder tape

Tinned copper drain wire

Aluminium backed 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

Bedding:

High density polyethylene (PE)

Colour: black

Special sheath (intermediate sheath):

Incendio
EN IEC 60332-3-22
Polyamide

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



Incendio
EN IEC 60332-3-22
Polyamide



Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas
SI



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



Max. conductor temp.in service
90 °C

Outer sheath:

Polyvinyl chloride (PVC)

Colour: 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 on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

Other colour on request

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
Cubierta exterior	PVC
Libre de plomo	Sí
Protección	no

Características eléctricas

Tensión nominal de servicio Uo/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

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]
2	1,28	1,76	9,3	12,7	18,1	20,0	364
5	1,28	1,76	12,1	15,4	20,8	22,9	514
10	1,28	1,76	15,7	19,2	24,4	27,0	749
20	1,28	1,76	20,5	24,2	29,3	32,3	1147
30	1,28	1,76	24,6	28,3	33,3	36,7	1540

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