



CONTACT

Market information
industryprojects.business@lynxegroup.com

- Instrumentation cables 170/300 V
- With lead cover (LC)
- Individual & Overall Screen (IOS)
- **Aliphatic and aromatic hydrocarbons resistant**

STANDARDS

Ensayo IEC 60331; 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**. They are well adapted to **underground use** in industrial applications, in moist areas, where **hydrocarbon and mechanical protection are needed**. The **lead cover brings an enhanced resistance to aromatics hydrocarbons**. The **individual screening of each pair limits the consequence of crosstalk**. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Resistente al fuego
IEC 60331

Armour:

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

Galvanized steel wires (SWA)

Outer sheath:

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx^{eo} is indicative only and shall not be binding on Lynx^{eo} or be treated as constituting a representation on the part of Lynx^{eo}.
Colour: black

Other colour on request.



Tensión nominal de servicio Uo/U
170/300V



Resistencia mecánica a impactos
Buena



Resistente al fuego
IEC 60331

Armour:

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

Galvanized steel wires (SWA)

Outer sheath:

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx^{eo} is indicative only and shall not be binding on Lynx^{eo} or be treated as constituting a representation on the part of Lynx^{eo}.
Colour: black

Other colour on request.

CHARACTERISTICS

Características de construcción

| | |
|------------------------|---|
| Material del conductor | Cobre desnudo |
| Type of conductor | Stranded, class 2 |
| Aislamiento | Silicone rubber |
| Individual screen | Tinned copper drain wire + aluminium/polyester tape |
| Overall screen | Tinned copper drain wire + aluminium/polyester tape |
| Cubierta interior | Low smoke, zero halogen thermoplastic compound |
| Lead Sheath | Yes |
| Intermediate sheath | PVC |
| Tipo de armadura | Alambres de acero galvanizado |
| Cubierta exterior | PVC |
| Protección | Yes |

Características dimensionales

| | |
|-----------------------------------|----------------------|
| Número de pares | 5 |
| Sección del conductor | 0,75 mm ² |
| Diámetro del conductor | 1,1 mm |
| Diámetro sobre aislamiento | 2,26 mm |
| Diameter over inner sheath | 14,2 mm |
| Diameter over lead sheath | 16,4 mm |
| Diameter over intermediate sheath | 18,4 mm |
| Diameter over armour | 20,9 mm |
| Diámetro exterior mínimo | 22,2 mm |
| Diámetro exterior máximo | 25,8 mm |
| Peso aproximado | 1481 kg/km |

Características eléctricas

| | |
|---|----------|
| Tensión nominal de servicio U ₀ /U | 170/300V |
|---|----------|

Características mecánicas

| | |
|---------------------------------|-------|
| Resistencia mecánica a impactos | Buena |
|---------------------------------|-------|

Características de uso

| | |
|--|---|
| Resistente al fuego | IEC 60331 |
| No propagador del incendio | EN IEC 60332-3-22 (cat A) |
| Resistencia química | Aliphatic and aromatic hydrocarbons resistant |
| Resistencia a interferencias electromagnéticas | Si |
| Temperatura ambiente de utilización (rango) | -20 ... 60 °C |
| Temperatura máxima del conductor | 90 °C |
| Standard | EN |



Tensión nominal de servicio U₀/U
170/300V



Resistencia mecánica a impactos
Buena



Resistente al fuego
IEC 60331



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

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Tensión nominal de servicio Uo/U
170/300V



Resistencia mecánica a impactos
Buena



Resistente al fuego
IEC 60331



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