



Reference: 10098202
EAN 13: 3427580121951

CONTACT

Market information
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- Instrumentation cables 300 V
- Individual & Overall Screen (OS)
- **Low smoke, low halogen (LSLH)**
- **Oil resistant**

STANDARDS

Producto IEC 60228

Ensayo IEC 60332-3-22 Cat.A; IEC 60754; IEC 61034

APPLICATIONS

These cables are intended for transmission of analogue and digital signals. They allow transmission over long distances at high pulse rates. The individual screening of each pair limits the consequence of crosstalk. These cables are used in industrial installations such as refineries, chemical plants etc where there is a potential risk of mechanical damage.

Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

Individual screen:

Tinned copper drain wire

Aluminium/polyester tape

Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Special low smoke, low halogen (LSLH)

Colour: black or blue

Fire retardant: IEC 60332-3-22(A), limiting oxygen index > 30 as per ASTM D 2863

Low smoke: IEC 61034-2, transmittance > 40 %

Low halogen: IEC 60754-1 HCL < 6 %



Flexibilidad del conductor
Rígido, Clase 2



Resistencia mecánica a impactos
Buena



No propagador del incendio
 EN IEC 60332-3-22 (cat A)



Resistencia a aceites
 ASTM D 2047



Densidad de los humos
 Baja



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



Max.conductor temp.in service
 70 °C

Core identification

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained herein for technical or commercial documentation of Lynx^{eo} is indicative only and shall not be binding for any type of purchase order or contract. For multiple white cables printed with a red pair.

Marking

CHARACTERISTICS

Características de construcción

| | |
|----------------------------|---|
| Material del conductor | Cobre desnudo |
| Flexibilidad del conductor | Rígido, Clase 2 |
| Aislamiento | Polietileno |
| Individual screen | Tinned copper drain wire + aluminium/polyester tape |
| Overall screen | Tinned copper drain wire + aluminium/polyester tape |
| Cubierta interior | PVC |
| Tipo de armadura | Alambres de acero galvanizado |
| Cubierta exterior | PVC |
| Color de cubierta | Negro |

Características dimensionales

| | |
|----------------------------|----------------------|
| Sección del conductor | 0,75 mm ² |
| Número de pares | 2 |
| Diameter over inner sheath | 6,3 mm |
| Diameter over armour | 8,3 mm |
| Diámetro exterior mínimo | 12,4 mm |
| Diámetro exterior máximo | 13,6 mm |
| Peso aproximado | 309 kg/km |

Características eléctricas

| | |
|----------------------|-------|
| Tensión de operación | 300 V |
|----------------------|-------|

Características mecánicas

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

Características de uso

| | |
|---|---------------------------|
| No propagador del incendio | EN IEC 60332-3-22 (cat A) |
| Resistencia a aceites | ASTM D 1047 |
| Densidad de los humos | Baja |
| Temperatura ambiente de utilización (rango) | -20 ... 60 °C |
| Temperatura máxima del conductor | 70 °C |
| Standard | EN |



Flexibilidad del conductor
Rígido, Clase 2



Resistencia mecánica a impactos
Buena



No propagador del incendio
EN IEC 60332-3-22 (cat A)



Resistencia a aceites
ASTM D 1047



Densidad de los humos
Baja



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ELECTRICAL CHARACTERISTICS

Electrical data AT 20°C

| Cables (mm ²) | Conductor Resistance max. (Ohm / km) | Insulation Resistance min. (Mohm.km) | Mutual Capacitance at 800 Hz maximum (nF / km) | L/R ratio max (µH / ohm) | Test Voltage (core/core) (V) |
|---------------------------|--------------------------------------|--------------------------------------|--|--------------------------|------------------------------|
| 0.5 | 36.7 | 5 000 | 115 | 25 | 2 000 |
| 0.75 | 24.9 | 5 000 | 115 | 25 | 2 000 |
| 1.34 | 14.2 | 5 000 | 115 | 40 | 2 000 |

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

- 10 x outer diameter
- To be doubled during laying operations



Flexibilidad del conductor
Rígido, Clase 2



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Resistencia a aceites
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