



CONTACT

Market information
industryprojects.business@lynx
ogroup.com

- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- **Oil resistant**

STANDARDS

Test IEC 60331; 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 where chemicals may be present. 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

Copper backed polyester tape

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

Core identification

Pair: white - black

White core printed with pair number



Rated Voltage U₀/U
(Um)
170/300V



Fire resistant
IEC 60331



Oil resistance
EN 50143
IEC 60332-3-22 (cat A)



Electro-magnetic
interference resistance
Yes



Operating temp.
20...60 °C



Cross-section temp.
90 °C

EN 50288-7 SIL/IND-0A.SCR/PVC 170/300V No. of pairs & cross-section Cu IEC
60331 IEC 60332-3-22(A) MM YYY Manufacturing number + metric marking

Standards

EN 50288-7 (Design guide-lines)

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}.

CHARACTERISTICS**Construction characteristics**

| | |
|--------------------|---|
| Conductor material | Bare copper |
| Type of conductor | Stranded, class 2 |
| Insulation | Silicone rubber |
| Individual screen | Tinned copper drain wire + aluminium/polyester tape |
| Overall screen | Tinned copper drain wire + copper polyester tape |
| Outer sheath | PVC |
| Protection | no |

Dimensional characteristics

| | |
|--------------------------|---------------------|
| Number of pairs | 5 |
| Conductor cross-section | 0.5 mm ² |
| Conductor diameter | 0.9 mm |
| Diameter over insulation | 2.06 mm |
| Minimum outer diameter | 13.6 mm |
| Maximum outer diameter | 15.8 mm |
| Approximate weight | 244 kg/km |

Electrical characteristics

| | |
|--------------------------------------|----------|
| Rated Voltage U ₀ /U (Um) | 170/300V |
|--------------------------------------|----------|

Usage characteristics

| | |
|--|---------------------------|
| Fire resistant | IEC 60331 |
| Fire retardant | EN IEC 60332-3-22 (cat A) |
| Oil resistance | Yes |
| Electro magnetic interference resistance | Yes |
| Operating temperature, range | -20 ... 60 °C |
| Max. conductor temperature in service | 90 °C |
| Standard | EN |

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Rated Voltage U₀/U (Um)
170/300V



Fire resistant
IEC 60331



Fire retardant
EN IEC 60332-3-22
(cat A)



Oil resistance
Yes



Electro magnetic
interference resistance
Yes



Operating temp.
-20 ... 60 °C



Max. conductor temp. in
service
90 °C