

**CONTACT**

Market information  
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- 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  $U_0/U$   
(Um)  
**170/300V**



Fire resistant  
**IEC 60331**



**Marking**



Oil resistance  
**Yes**



Electro-magnetic  
interference resistance  
**Yes**



Operating temp.  
**20 - 60 °C**



Cross-section temp.  
**90 °C**

**EN 50288-7 SIL/IND-IOA.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<sup>eo</sup> is indicative only and shall not be binding on Lynx<sup>eo</sup> or be treated as constituting a representation on the part of Lynx<sup>eo</sup>.

**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	30
Conductor cross-section	0.5 mm <sup>2</sup>
Conductor diameter	0.9 mm
Diameter over insulation	2.06 mm
Minimum outer diameter	26.5 mm
Maximum outer diameter	30.9 mm
Approximate weight	996 kg/km

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U (Um)	170/300V
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**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 U<sub>0</sub>/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