



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

STANDARDS

Test 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.**

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross-linked polyethylene (XLPE)

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

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 retardant
**EN IEC 60332-3-22
Cat.A**



Oil resistance
**EN IEC 60332-3-22
Cat.A**



Resistance
**EN IEC 60332-3-22
Cat.A**



Operating temp.
20+/-10°C



Max. conductor temp. in service
90 °C

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.

CONTACT

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CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Outer sheath	PVC
Protection	no

Dimensional characteristics

Number of pairs	30
Conductor cross-section	1.5 mm ²
Conductor diameter	1.5 mm
Diameter over insulation	2.16 mm
Minimum outer diameter	29.6 mm
Maximum outer diameter	32.6 mm
Approximate weight	1478 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	170/300V
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Usage characteristics

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 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