



## CONTACT

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

## STANDARDS

**Product** IEC 60228

**Test** 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 %



Flessibilità del conduttore  
A trefoli classe 2



Fuoco ritardante  
EN IEC 60332-3-22 (cat.A)



Resistenza all'olio  
ASTM D 1047



Densità fumo  
Low



Temperatura Operativa  
≥ 40 °C



Temp. max di servizio del conduttore  
70 °C

## Core identification

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in technical or commercial documentation of Lynx eo is indicative only and shall not be binding for any type of purchase or contract. For multiple white cables printed with pair separation on the part of Lynx eo.

## Marking

## CHARACTERISTICS

### Caratteristiche costruttive

Materiale del conduttore	Rame nudo
Flessibilità del conduttore	A trefoli classe 2
Isolamento	PE
Schermo Individuale	Filo di drenaggio in rame stagnato + nastro di alluminio/ poliester
Schermo Collettivo	Filo di rame stagnato + Nastro Alluminio / Polyester
Guaina interna	PVC
Tipo di armatura	Fili acciaio galvanizzato
Guaina esterna	PVC

### Caratteristiche elettriche

Tensione operativa	300 V
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### Caratteristiche d'utilizzo

Fuoco ritardante	EN IEC 60332-3-22 (cat A)
Resistenza all'olio	ASTM D 1047
Densita' fumo	Low
Temperatura Operativa	-20 ... 60 °C
Temperatura massima di servizio del conduttore	70 °C
Standard	EN

## ELECTRICAL CHARACTERISTICS

### Electrical data AT 20°C

Cables (mm <sup>2</sup> )	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:



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Fuoco ritardante  
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Resistenza all'olio  
ASTM D 1047



Densita' fumo  
Low



Temperatura Operativa  
-20 ... 60 °C



Temp. max di servizio del conduttore  
70 °C

10 x outer diameter  
To be doubled during laying operations



Flessibilità del conduttore  
A trefoli classe 2



Fuoco ritardante  
EN IEC 60332-3-22 (cat A)



Resistenza all'olio  
ASTM D 1047



Densità fumo  
Low



Temperatura Operativa  
-20 ... 60 °C



Temp. max di servizio del conduttore  
70 °C