



- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Lead free
- Aliphatic and aromatic hydrocarbons 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 in moist areas and where aliphatic and aromatic hydrocarbons may be present. Hypron® offers an alternative to conventional lead covered cable and is an environmental friendly solution.

### CONTACT

Market information  
industryprojects.business@lynxgroup.com

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross - linked polyethylene (XLPE)

#### Binder tape

#### Bedding

#### Inner sheath:

Polyvinyl chloride (PVC).

Colour: black.

#### Overall screen/sealing barrier:

Tinned copper drain wire,

Aluminium backed polyethylene tape

#### Bedding:

High density polyethylene (PE)

Colour: black

#### Special sheath (intermediate sheath):

Polyamide

#### Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

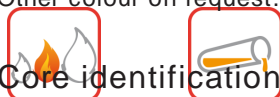
Other colour on request.



Lead free



Uo/U (Um)  
170/300V



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

Chemical resistance  
Aliphatic and aromatic hydrocarbons resistant



Electro magnetic interference  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp. in service  
90

### Core identification

Fire retardant - black  
Quad: white - black - red - blue (2 pair cables assembled as a quad)  
White core printed with pair number

### Marking

All dimensions in mm unless otherwise specified. Dimensions are given in metric marking only. Metric marking is indicative only and shall not be binding on Lynx<sup>eo</sup> or be treated as constituting a representation of the part of Lynx<sup>eo</sup>.

### Standards

## CHARACTERISTICS

	2 ( )
	XLPE(가 )
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	HDPE
Intermediate sheath	Polyamide
Lead free Protection	no
Number of pairs	10
	1.5 mm <sup>2</sup>
	1.5 mm
Diameter over insulation	2.16 mm
Diameter over inner sheath	17.7 mm
Diameter over intermediate sheath	21.2 mm
Minimum outer diameter	26.4 mm
Maximum outer diameter	29.1 mm
( )	844 kg/km
Uo/U (Um)	170/300V
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Electro magnetic interference resistance	Yes
操作度范	- 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) on request.

Minimum bending radius:

15 x outer diameter  
To be doubled during laying operations



Lead free



Uo/U (Um)  
170/300V



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



Chemical resistance  
Aliphatic and aromatic hydrocarbons resistant



Electro magnetic interference resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor temp. in service  
90 ° C

Tinned copper conductors available on request



Lead free



Uo/U (Um)  
170/300V



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



Chemical resistance  
Aliphatic and  
aromatic  
hydrocarbons  
resistant



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor  
temp. in service  
90 °C