



- 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 cables 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. They are well adapted to underground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). Hypron® offers an alternative to conventional lead sheathed cable and is an environmental friendly solution..

## 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

### Armour:

Galvanized steel wires (SWA)

## CONTACT

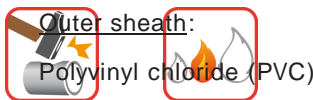
Market information  
industryprojects.business@lynxéogroup.com



Lead free



Uo/U  
(Um)  
170/300V



Outer sheath:  
Polyvinyl chloride (PVC)

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

Other colour on request



Chemical  
resistance  
Aliphatic and  
aromatic  
hydrocarbons  
resistant



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service  
90 ° C

## Core identification

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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

## Marking

## CHARACTERISTICS

		2 ( )
		XLPE(가 )
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape	
Material of bedding	HDPE	
Intermediate sheath	Polyamide	
Armour type		
Lead free		
Protection	Yes	
Number of pairs	30	
	2.5 mm <sup>2</sup>	
	1.91 mm	
Diameter over insulation	2.57 mm	
Diameter over inner sheath	32.4 mm	
Diameter over intermediate sheath	36.1 mm	
Diameter over armour	39.3 mm	
Minimum outer diameter	43.9 mm	
Maximum outer diameter	48.5 mm	
( )	3564 kg/km	
U <sub>0</sub> /U (U <sub>m</sub> )	170/300V	
Mechanical resistance to impacts	Good	
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.



Lead free



U<sub>0</sub>/U  
(U<sub>m</sub>)  
170/300V



Mechanical  
resistance to  
impacts  
Good



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

Minimum bending radius:

15 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Lead free



Uo/U  
(Um)  
170/300V



Mechanical  
resistance to  
impacts  
Good



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