



- 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

### CONTACT

Market information  
industryprojects.business@lynxgroup.com



无铅  
是



额定电压U<sub>0</sub>/U  
170/300V



#### Armor:

Galvanized steel wires (SWA)



耐化学物质  
EN IEC 60332-3-22 Aliphatic and aromatic hydrocarbons resistant



耐化学物质  
(cat. A)



抗电磁干扰  
是



操作温度  
-20 ... 60 °C



芯线最高静止温度  
90 °C

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

#### Other colour on request

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>.

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
导体类型	Stranded, class 2
绝缘	XLPE (Cross-linked Polyethylene)
内护套	聚氯乙烯
总屏蔽	Tinned copper drain wire + aluminium/polyethylene tape
垫层材料	HDPE
中间护套	Polyamide
铠装类型	镀锌钢丝
外护套	聚氯乙烯
无铅	是
防护	Yes

### 尺寸特性

线对数	1
导线截面	0.5 mm <sup>2</sup>
导线直径	0.9 mm
绝缘外径	1.38 mm
Diameter over inner sheath	6 mm
Diameter over intermediate sheath	9.2 mm
铠装外径	11.0 mm
外径最小值	16.5 mm
Maximum outer diameter	18.2 mm
近似重量	467 kg/km

### 电气特性

额定电压U <sub>0</sub> /U	170/300V
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### 机械特性

机械耐冲击性能	好
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### 使用特性

阻燃	EN IEC 60332-3-22 (cat A)
耐化学物质	Aliphatic and aromatic hydrocarbons resistant
抗电磁干扰	是
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	90 ° C
标准	EN



无铅  
是



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



阻燃  
EN IEC 60332-3-22  
(cat A)



耐化学物质  
Aliphatic and aromatic  
hydrocarbons  
resistant



抗电磁干扰  
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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

Tinned copper conductors available on request



无铅  
是



额定电压 $U_0/U$   
170/300V



机械耐冲击性能  
好



阻燃  
EN IEC 60332-3-22  
(cat A)



耐化学物质  
Aliphatic and  
aromatic  
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