



Reference: 10186718  
EAN 13: 3427580519550

### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- 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. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

#### Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

#### Lead sheath:

#### Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

#### Armour:

Galvanized steel wires (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request. 阻燃 耐火物质 抗电磁干扰 是

### 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 intended to be used as a reference only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

NEXANS 279 XLPE/OA.SCR/PVC//LC/PVC/SWA/PVC 170/300V Nber of pairs & cross-



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



阻燃



耐火物质



抗电磁干扰  
是



操作温度  
-20 ... 60 °C



芯线最高静止温度  
90 °C



Min. dynamic  
operating bending  
rad.  
245.0 mm

## 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)
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	聚氯乙烯
Lead Sheath	Yes
中间护套	PVC
铠装类型	镀锌钢丝
外护套	聚氯乙烯
防护	Yes

## 尺寸特性

线对数	5
导线截面	1.5 mm <sup>2</sup>
导线直径	1.5 mm
绝缘外径	2.16 mm
Diameter over inner sheath	13 mm
Diameter over lead sheath	15.2 mm
Diameter over intermediate sheath	17.2 mm
铠装外径	19.7 mm
外径最小值	22.2 mm
Maximum outer diameter	24.5 mm
近似重量	1407 kg/km

## 电气特性

额定电压U <sub>0</sub> /U	170/300V
-----------------------	----------

## 机械特性

机械耐冲击性能	好
---------	---

## 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
最小弯曲半径 - 动态	245.0 mm
标准	EN



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  
是



操作温度  
-20 ... 60 °C



芯线最高静止温度  
90 °C



Min. dynamic  
operating bending  
rad.  
245.0 mm

## SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) on request.

Minimum bending radius:

- 10 x outer diameter
- To be doubled during laying operations

Tinned copper conductors available on request



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  
hydrocarbons  
resistant



抗电磁干扰  
是



操作温度  
-20 ... 60 °C



芯线最高静止温度  
90 °C



Min. dynamic  
operating bending  
rad.  
245.0 mm