



### CONTACT

Market information  
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- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Oil resistant

### STANDARDS

Test IEC 60331; 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 .They are well adapted to underground use in industrial application where chemical and mechanical protections are needed (refinery areas, chemical plant...). They maintain circuit integrity when exposed to fire.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Silicone rubber (Sil)

#### Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

#### Bedding (inner sheath):

Low Smoke Zero Halogen (LSZH)

Colour: black

#### Armour:

Galvanized steel wires (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

### Core identification

Pair: white - black

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



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



耐火  
IEC 60331



阻燃  
EN IEC 60332-3-22  
是



耐油  
是



抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

### Marking

NEXANS 279 (SHA) OA. SCR/LSZH/SWA/PVC 170/300V Nber of pairs & cross-section Cu IEC  
60331 IEC 60332-3-22 (A) MM YYYY Manufacturing number + metric marking

### Standards

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>.

## CHARACTERISTICS

### 结构特性

|      |   |
|------|---|
| 导体材料 | 裸铜线   |
| 导体类型 | Stranded, class 2                                   |
| 绝缘   | 硅树脂橡胶   |
| 总屏蔽  | Tinned copper drain wire + aluminium/polyester tape |
| 内护套  | Low smoke, zero halogen thermoplastic compound      |
| 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                        | 2                   |
| 导线截面                       | 2.5 mm <sup>2</sup> |
| 导线直径                       | 1.91 mm             |
| 绝缘外径                       | 3.07 mm             |
| Diameter over inner sheath | 9.5 mm              |
| 铠装外径                       | 11.3 mm             |
| 外径最小值                      | 13.0 mm             |
| Maximum outer diameter     | 15.1 mm             |
| 近似重量                       | 424 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

|          |                           |
|----------|---------------------------|
| 耐火       | IEC 60331                 |
| 阻燃       | EN IEC 60332-3-22 (cat A) |
| 耐油       | 是                         |
| 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                        |

## SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



耐火  
IEC 60331



阻燃  
EN IEC 60332-3-22  
(cat A)



耐油  
是



抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

15 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



耐火  
IEC 60331



阻燃  
EN IEC 60332-3-22  
(cat A)



耐油  
是



抗电磁干扰  
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