



- 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 where chemicals may be present. 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,

Copper backed polyester tape

#### 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

### Marking

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

### Standards

EN 50288-7 (Design guide-lines)



Rated Voltage U<sub>0</sub>/U  
(Um)  
170/300V



Fire resistant  
IEC 60331



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



Oil resistance  
Yes



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
90 °C

Reference: 10134989  
EAN 13: 3427580320309

### CONTACT

Market information  
industryprojects.business@lynxéo  
ogroup.com

### CHARACTERISTICS

#### Construction characteristics

|                    |  |
|--------------------|--|
| Conductor material | Bare copper                                      |
| Type of conductor  | Stranded, class 2                                |
| Insulation         | Silicone rubber                                  |
| Overall screen     | Tinned copper drain wire + copper polyester tape |
| Outer sheath       | PVC  |
| Protection         | no   |

#### Dimensional characteristics

|                          |                     |
|--------------------------|---------------------|
| Number of pairs          | 20                  |
| Conductor cross-section  | 1.5 mm <sup>2</sup> |
| Conductor diameter       | 1.5 mm              |
| Diameter over insulation | 2.66 mm             |
| Minimum outer diameter   | 26.3 mm             |
| Maximum outer diameter   | 30.7 mm             |
| Approximate weight       | 1047 kg/km          |

#### Electrical characteristics

|   |          |
|---|----------|
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 170/300V |
|---|----------|

#### Usage characteristics

|  |                           |
|--|---------------------------|
| Fire resistant                           | IEC 60331                 |
| Fire retardant                           | EN IEC 60332-3-22 (cat A) |
| Oil resistance                           | Yes                       |
| Electro magnetic interference resistance | Yes                       |
| Operating temperature, range             | -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) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



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



Fire resistant  
IEC 60331



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



Oil resistance  
Yes



Electro magnetic  
interference resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp. in  
service  
90 °C