



Reference: 10135085  
EAN 13: 3427580321269

### 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



Uo/U  
(Um)  
170/300V



Mechanical  
resistance to  
impacts  
Good

### Marking

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

Fire marking  
IEC 60331



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat



Oil resistance  
Yes



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp.in service  
90 ° C

### Standards

EN 50288 - 7 (Design guide - lines)

## CHARACTERISTICS

		2 ( )
Overall screen	Tinned copper drain wire + aluminium/polyester tape	
Armour type	Low smoke, zero halogen thermoplastic compound	
Protection		Yes
Number of pairs		20
		0.5 mm <sup>2</sup>
		0.9 mm
Diameter over insulation		2.06 mm
Diameter over inner sheath		21.9 mm
Diameter over armour		24.4 mm
Minimum outer diameter		25.0 mm
Maximum outer diameter		29.2 mm
( )		1178 kg/km
Uo/U (Um)		170/300V
Mechanical resistance to impacts		Good
Fire resistant		IEC 60331
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)	
Oil resistance		Yes
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) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

15 x outer diameter  
To be doubled during laying operations



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(Um)  
170/300V



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Tinned copper conductors available on request



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



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