



Reference: 10135079  
EAN 13: 3427580321207

## 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



Fire  
retardant  
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

## 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

making

## Standards

EN 50288 - 7 (Design guide - lines)

## CHARACTERISTICS

	2 ( )
Overall screen	Tinned copper drain wire + aluminium/polyester tape Low smoke, zero halogen thermoplastic compound
Armour type	
Protection	Yes
Number of pairs	1
	0.5 mm <sup>2</sup>
	0.9 mm
Diameter over insulation	2.06 mm
Diameter over inner sheath	6.2 mm
Diameter over armour	8.0 mm
Minimum outer diameter	9.8 mm
Maximum outer diameter	11.4 mm
( )	222 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



Uo/U  
(Um)  
170/300V



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Good



Fire resistant  
IEC 60331



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



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resistance  
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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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Fire retardant  
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