



- 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)



Uo/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

## CHARACTERISTICS

	2 ( )
Overall screen	Tinned copper drain wire + copper polyester tape
Protection	no
Number of pairs	30
	1 mm <sup>2</sup>
	1.28 mm
Diameter over insulation	2.44 mm
Minimum outer diameter	29.2 mm
Maximum outer diameter	34.0 mm
( )	1131 kg/km
Uo/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
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:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



Uo/U (Um)  
170/300V



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(cat A)



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