



- 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**

CONTACT

Market information
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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 U₀/U_i
(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

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	5
Conductor cross-section	1 mm ²
Conductor diameter	1.28 mm
Diameter over insulation	2.44 mm
Minimum outer diameter	14.7 mm
Maximum outer diameter	17.1 mm
Approximate weight	271 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	170/300V
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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



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170/300V



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(cat A)



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