



- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- 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. The individual screening of each pair limits the consequence of crosstalk. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

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

White core printed with pair number

Marking

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



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

Standards

EN 50288 - 7 (Design guide - lines)

CHARACTERISTICS

	2	()
Individual screen	Tinned copper drain wire + aluminium/polyester tape	
Overall screen	Tinned copper drain wire + copper polyester tape	
Protection	no	
Number of pairs	10	
	1.5 mm ²	
	1.5 mm	
Diameter over insulation	2.66 mm	
Minimum outer diameter	21.1 mm	
Maximum outer diameter	24.6 mm	
()	687 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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IEC 60331



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



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