



- 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

CONTACT

Market information
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Uo/U
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
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

EXPLANATION: NEXANS 279 SIL/OA.SCR/LSZH/SWA/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)

CHARACTERISTICS

	2	()
Overall screen	Tinned copper drain wire + aluminium/polyester tape Low smoke, zero halogen thermoplastic compound	
Armour type		
Protection	Yes	
Number of pairs	5	
	2.5 mm ²	
	1.91 mm	
Diameter over insulation	3.07 mm	
Diameter over inner sheath	17.6 mm	
Diameter over armour	20.1 mm	
Minimum outer diameter	21.4 mm	
Maximum outer diameter	24.9 mm	
()	964 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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Tinned copper conductors available on request



Uo/U
(Um)
170/300V



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