



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

Marking



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

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 Y Manufacturing number + metric

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	2
	2.5 mm ²
	1.91 mm
Diameter over insulation	3.07 mm
Diameter over inner sheath	9.5 mm
Diameter over armour	11.3 mm
Minimum outer diameter	13.0 mm
Maximum outer diameter	15.1 mm
()	424 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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(Um)
170/300V



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Tinned copper conductors available on request



U₀/U
(U_m)
170/300V



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