



Reference: 10135130
EAN 13: 3427580321719

CONTACT

Market information
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- 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 are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). 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/polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium/polyester tape

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black



Uo/U
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



Fire resistant
EN 60332
A)



Oil resistance
Yes



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C

Other colour on request.
Core identification
White core with pair number

Marking

NEXANS 279 SIL/IND. + OA.SCR/LSZH/SWA/PVC 170/300V Nber of pairs & cross-section, G, IEC 60331, IEC 60332-3-22(A), MM YYYX Manufacturing number +

dimension marking
All drawings, designs, specifications, plans and particulars of weights, size and
representation of the part of Lynx^{eo}.
indicative only and shall not be binding on Lynx^{eo} or be treated as constituting a
representation of the part of Lynx^{eo}.

Standards

CHARACTERISTICS

2 ()

Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Armour type	Low smoke, zero halogen thermoplastic compound
Protection	Yes
Number of pairs	20
	1 mm ²
	1.28 mm
Diameter over insulation	2.44 mm
Diameter over inner sheath	26.5 mm
Diameter over armour	29.0 mm
Minimum outer diameter	29.3 mm
Maximum outer diameter	34.2 mm
()	1768 kg/km
U _o /U (U _m)	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:



U_o/U
(U_m)
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



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



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



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