



CONTACT

Market information
industryprojects.business@lynxéogroup.com

- 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



U₀/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	
Armour type	Low smoke, zero halogen thermoplastic compound	
Protection		Yes
Number of pairs		10
		2.5 mm ²
		1.91 mm
Diameter over insulation		3.07 mm
Diameter over inner sheath		23.6 mm
Diameter over armour		26.1 mm
Minimum outer diameter		26.7 mm
Maximum outer diameter		31.2 mm
()		1510 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



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



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C

Tinned copper conductors available on request



U₀/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