



- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- **Oil resistant**

STANDARDS

Ensayo 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



Tensión nominal de servicio U₀/U
170/300V



Resistente al fuego
IEC 60331



Marking



Resistencia a
interferencias
electromagnéticas
SI



Resistencia a
utilización
-20 ... 60 °C



Resistencia a
servicio
90 °C

NEXANS 279 SIL/IND-0A SCR/PVC-170/300V Nbr of pairs & cross-section Cu IEC
60331 IEC 60332-3-22(A) MM YYYY Manufacturing number + metric marking
EN IEC 60332-3-22 (cat A)

Standards

EN 50288-7 (Design guide-lines)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

CONTACT

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CHARACTERISTICS

Características de construcción

Material del conductor	Cobre desnudo
Type of conductor	Stranded, class 2
Aislamiento	Silicone rubber
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + copper polyester tape
Cubierta exterior	PVC
Protección	no

Características dimensionales

Número de pares	10
Sección del conductor	1 mm ²
Diámetro del conductor	1,28 mm
Diámetro sobre aislamiento	2,44 mm
Diámetro exterior mínimo	19,6 mm
Diámetro exterior máximo	22,9 mm
Peso aproximado	544 kg/km

Características eléctricas

Tensión nominal de servicio U ₀ /U	170/300V
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Características de uso

Resistente al fuego	IEC 60331
No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia a aceites	Sí
Resistencia a interferencias electromagnéticas	Sí
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	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



Tensión nominal de servicio U₀/U
170/300V



Resistente al fuego
IEC 60331



No propagador del incendio
EN IEC 60332-3-22
(cat A)



Resistencia a aceites
Sí



Resistencia a interferencias electromagnéticas
Sí



Temp. ambiente de utilización
-20 ... 60 °C



Max. conductor temp. in service
90 °C