



Reference: 10135215
EAN 13: 3427580322563

CONTACT

Market information
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- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- **Aliphatic and aromatic hydrocarbons resistant**

STANDARDS

Ensayo IEC 60331; IEC 60332-3-22 Cat.A

APPLICATIONS

These instrumentation and communication cables are used to **transmit analogue or digital signals in measurement and process control**. They are well adapted to **underground use** in industrial applications, in moist areas, where **hydrocarbon and mechanical protection are needed**. The **lead cover brings an enhanced resistance to aromatics hydrocarbons**. 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

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:



Tensión nominal de
servicio Uo/U
170/300V



Resistencia
mecánica a
impactos
Buena



Resistencia al fuego
IEC 60331
Other colour on request



Resistencia al incendio
EN IEC 60332-3-22
Other colour on request



Resistencia química
**Aliphatic and
aromatic
hydrocarbons
resistant**



Resistencia a
interferencias
electromagnéticas
SI



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



Max. conductor
temp.in service
90 °C

Core identification

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)

All Whites design is with pair number. 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.

Marking

NEXANS 279 SIL/OA.SCR/LSZH//LC/PVC/SWA/PVC 170/300V Nber of pairs & cross-

CHARACTERISTICS

Características de construcción

Material del conductor	Cobre desnudo
Type of conductor	Stranded, class 2
Aislamiento	Silicone rubber
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta interior	Low smoke, zero halogen thermoplastic compound
Lead Sheath	Yes
Intermediate sheath	PVC
Tipo de armadura	Alambres de acero galvanizado
Cubierta exterior	PVC
Protección	Yes

Características dimensionales

Número de pares	1
Sección del conductor	1 mm ²
Diámetro del conductor	1,28 mm
Diámetro sobre aislamiento	2,44 mm
Diameter over inner sheath	7,1 mm
Diameter over lead sheath	8,9 mm
Diameter over intermediate sheath	10,9 mm
Diameter over armour	12,7 mm
Diámetro exterior mínimo	14,3 mm
Diámetro exterior máximo	16,6 mm
Peso aproximado	661 kg/km

Características eléctricas

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

Resistencia mecánica a impactos	Buena
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Características de uso

Resistente al fuego	IEC 60331
No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia química	Aliphatic and aromatic hydrocarbons resistant
Resistencia a interferencias electromagnéticas	Sí
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Standard	EN



Tensión nominal de servicio U₀/U
170/300V



Resistencia mecánica a impactos
Buena



Resistente al fuego
IEC 60331



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



Resistencia química
Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas
Sí



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



Max. conductor temp. in service
90 °C

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) 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 Uo/U
170/300V



Resistencia
mecánica a
impactos
Buena



Resistente al fuego
IEC 60331



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



Resistencia química
**Aliphatic and
aromatic
hydrocarbons
resistant**



Resistencia a
interferencias
electromagnéticas
SI



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



Max.conductor
temp.in service
90 °C