



CONTACT

Market information
industryprojects.business@lynxeogroup.com

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

STANDARDS

Ensayo 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**.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross-linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

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



No propagation of fire
EN IEC 60332-3-22 (cat A)



Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas
SI



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



Max. conductor temp. in service
90 °C



Min. dynamic operating bending rad.
365,0 mm

Core identification

Pair: white - black

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

All drawings, designs, specifications 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 XLPE/OA.SCR/PVC//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	XLPE
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta interior	PVC
Lead Sheath	Yes
Intermediate sheath	PVC
Tipo de armadura	Alambres de acero galvanizado
Cubierta exterior	PVC
Protección	Yes

Características dimensionales

Número de pares	30
Sección del conductor	1 mm ²
Diámetro del conductor	1,28 mm
Diámetro sobre aislamiento	1,76 mm
Diameter over inner sheath	22,8 mm
Diameter over lead sheath	25,4 mm
Diameter over intermediate sheath	27,8 mm
Diameter over armour	30,3 mm
Diámetro exterior mínimo	33,1 mm
Diámetro exterior máximo	36,5 mm
Peso aproximado	3113 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

No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia química	Aliphatic and aromatic hydrocarbons resistant
Resistencia a interferencias electromagnéticas	SI
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Radio de curvatura mínimo en operación dinámica	365,0 mm
Standard	EN



Tensión nominal de servicio U₀/U
170/300V



Resistencia mecánica a impactos
Buena



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



Min. dynamic operating bending rad.
365,0 mm

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



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



Min. dynamic
operating bending
rad.
365,0 mm