



Reference: 10186740
EAN 13: 3427580519772

CONTACT

Market information
industryprojects.business@lynxéogroup.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:



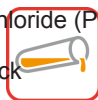
Tensión nominal de servicio U₀/U
170/300V



Resistencia mecánica a impactos
Buena



No pollution
EN IEC 60332-3-22 (cat. A)



Other colour on request
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.
417,0 mm

Core identification

Pair: white - black

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

All white core designs 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 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 | 20 |
| Sección del conductor | 2,5 mm ² |
| Diámetro del conductor | 1,91 mm |
| Diámetro sobre aislamiento | 2,57 mm |
| Diameter over inner sheath | 26,6 mm |
| Diameter over lead sheath | 29,4 mm |
| Diameter over intermediate sheath | 31,8 mm |
| Diameter over armour | 35,0 mm |
| Diámetro exterior mínimo | 37,8 mm |
| Diámetro exterior máximo | 41,7 mm |
| Peso aproximado | 3963 kg/km |

Características eléctricas

| | |
|---|----------|
| Tensión nominal de servicio U ₀ /U | 170/300V |
|---|----------|

Características mecánicas

| | |
|---------------------------------|-------|
| Resistencia mecánica a impactos | Buena |
|---------------------------------|-------|

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 | 417,0 mm |
| Standard | EN |



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170/300V



Resistencia mecánica a impactos
Buena



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EN IEC 60332-3-22 (cat A)



Resistencia química
Aliphatic and aromatic hydrocarbons resistant



Resistencia a interferencias electromagnéticas
Si



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417,0 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 U_o/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
Sí



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