



- Instrumentation cables 170/300 V
- With lead cover (LC)
- Individual & Overall Screen (IOS)
- **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**. 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 (Si)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

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

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

Galvanized steel wires (SWA)

Outer sheath:

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.
Colour: black

Other colour on request.

CONTACT

Market information
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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



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-20 ... 60 °C



Max.conductor temp.in service
90 °C

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 + 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 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	SI
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Standard	EN

SECTION 1.0MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Diámetro exterior mínimo [mm]	Diámetro ext. máximo [mm]	Peso aprox. [kg/km]
10135245	2	1,28	2,44	11,3	13,3	15,3	17,1	18,5	21,5	1001
	5	1,28	2,44	15,1	17,3	19,3	21,8	23,0	26,8	1595
	10	1,28	2,44	20,2	22,6	24,6	27,1	27,6	32,2	2290
10135250	20	1,28	2,44	26,6	29,4	31,8	35,0	35,1	41,0	3689
	30	1,28	2,44	32,6	35,6	38,4	41,6	41,2	48,1	4870



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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



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