



**Reference:** 10101848  
**EAN 13:** 3427580281037

**CONTACT**

Market information  
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- Instrumentation cables 300 V
- Individual & Overall Screen (IOS)
- **Low smoke, low halogen (LSLH)**
- **Oil resistant**

**STANDARDS**

**Producto** IEC 60228

**Ensayo** IEC 60332-3-22 Cat.A; IEC 60754; IEC 61034

**APPLICATIONS**

These cables are intended for transmission of analogue and digital signals. They allow transmission over long distances at high pulse rates. The individual screening of each pair limits the consequences of crosstalk. These cables are used in industrial installations such as refineries, chemical plants etc...

**Design**

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

Individual screen:

Tinned copper drain wire

Aluminium/polyester tape

Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

Outer sheath:

Polyvinyl chloride (PVC)

Special low smoke, low halogen (LSLH)

Colour: black or blue

Fire retardant: IEC 60332-3-22(A), limiting oxygen index > 30 as par ASTM D 2863

Low smoke: IEC 61034-2, transmittance > 40 %

Low halogen: IEC 60754-1 HCL < 6 %

**Core identification**

Pair: Black/white  
 For multiple pairs: White core printed with pair number



Flexibilidad del conductor  
 Rígido, Clase 2



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



Resistencia a aceites  
 IEC 60754-1



Densidad de los humos  
 Baja



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



Max. conductor temp.in service  
 70 °C

**Marking**  
 GORSE YYYY RE - 2Y(St)Y - fl PiMF LSLH 300V Nber of pairs & cross-section IEC 60332-3-22(A) + metric marking

**Désignation**

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. The drawings are constituting a representation on the part of Lynxéo.

2Y: Polyethylene insulation  
 (St): Collective screen

## CHARACTERISTICS

### Características de construcción

Material del conductor	Cobre desnudo
Flexibilidad del conductor	Rígido, Clase 2
Aislamiento	Polietileno
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta exterior	PVC
Color de cubierta	Azul

### Características dimensionales

Sección del conductor	1,34 mm <sup>2</sup>
Número de pares	2
Diámetro exterior mínimo	11,6 mm
Diámetro exterior máximo	12,8 mm
Peso aproximado	185 kg/km

### Características eléctricas

Tensión de operación	300 V
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### Características de uso

No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia a aceites	ASTM D 1047
Densidad de los humos	Baja
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	70 °C
Standard	EN

## ELECTRICAL CHARACTERISTICS

### Electrical data AT 20°C

Cables (mm <sup>2</sup> )	Conductor Resistance max. (Ohm / km)	Insulation Resistance min. (Mohm.km)	Mutual Capacitance at 800 Hz maximum (nF / km)	L/R ratio max (µH / ohm)	Test Voltage (core/core) (V)
0.5	36.7	5 000	115	25	2 000
0.75	24.9	5 000	115	25	2 000
1.34	14.2	5 000	115	40	2 000



Flexibilidad del conductor  
Rígido, Clase 2



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



Resistencia a aceites  
ASTM D 1047



Densidad de los humos  
Baja



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



Max.conductor temp.in service  
70 °C

**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
 To be doubled during laying operations



Flexibilidad del conductor  
 Rígido, Clase 2



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



Resistencia a aceites  
 ASTM D 1047



Densidad de los humos  
 Baja



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



Max.conductor temp.in service  
 70 °C