



**Reference:** 10201221  
**EAN 13:** 3427580238901

### CONTACT

Market information  
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- Instrumentation cables 300 V
- Overall screen (OS)
- **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. These cables are used in industrial installations such as refineries, chemical plants etc...

### Design

#### Conductor:

Stranded bare copper (class 2)

#### Insulation:

Polyethylene (PE)

#### 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 multipair White core printed with pair number

### Marking

NEXANS 279 YYY RE - 2Y(St)Y - fl LSLH 300V Nber of pairs & cross-section IEC 60332-3-22(A) + metric marking



Flexibilidad del conductor  
 Rígido, Clase 2



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



### Désignation

RE: Instrumentation cable  
 2Y: Polyethylene insulation  
 (St): Collective screen  
 Y: PVC sheath



Densidad de los humos  
 Baja



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



Max.conductor temp.in service  
 70 °C

fl Reduced flame propagation

All drawings, designations, specifications, dimensions, 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.

### CHARACTERISTICS

#### Características de construcción

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

#### Características dimensionales

Sección del conductor	0,75 mm <sup>2</sup>
Número de pares	2
Diámetro exterior mínimo	6,2 mm
Diámetro exterior máximo	6,9 mm
Peso aproximado	72 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 AT 20°C

#### 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)
			Single pair	Up to 4 pairs	Above 4 pairs		
0.5	36.7	5 000	115	95	80	25	2 000
0.75	24.9	5 000	115	95	80	25	2 000
1.34	14.2	5 000	115	95	80	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



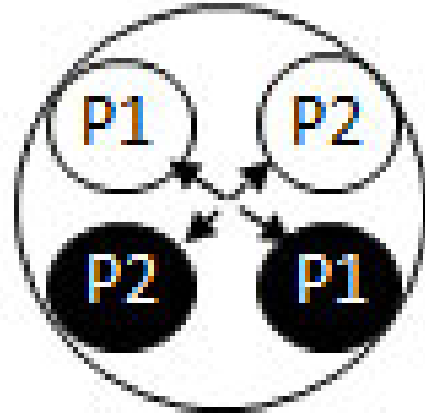
Temp. ambiente de utilización  
-20 ... 60 °C



Max.conductor temp.in service  
70 °C

## CORE IDENTIFICATION FOR 2 PAIR CABLES

2 pairs: black P1 - black P2  
white P1 - white P2



## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

2 pair cables are assembled as a quad (black and white cores both printed with pair number)



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