



Reference: 10098133  
EAN 13: 3427580121258

### CONTACT

Market information  
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- Instrumentation cables 300 V
- Overall screen (OS)
- Low smoke, low halogen (LSLH)
- Oil resistant

### STANDARDS

Product IEC 60228

Test 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



导线柔软度  
绞和等级2



阻燃  
EN IEC 60332-3-22 (cat.A) ASTM D 1047



耐油



烟密度  
低



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
70 ° C

### Designation

RE: Instrumentation cable  
2Y: Polyethylene insulation  
(St): Collective screen  
Y: PVC sheath  
fl - Reduced flame propagation

LSLH - Low emission of smoke and halogens

All drawings, designations, 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.

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
导线柔软度	绞和等级2
绝缘	聚乙烯
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
外护套	聚氯乙烯
护套颜色	黑

### 尺寸特性

导线截面	0.75 mm <sup>2</sup>
线对数	12
外径最小值	15.0 mm
Maximum outer diameter	16.6 mm
近似重量	345 kg/km

### 电气特性

工作电压	300 V
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### 使用特性

阻燃	EN IEC 60332-3-22 (cat A)
耐油	ASTM D 1047
烟密度	低
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	70 ° C
标准	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



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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)



导线柔软度  
绞和等级2



阻燃  
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耐油  
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