



### CONTACT

Market information  
industryprojects.business@lyn  
xeogroup.com

- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- Oil resistant

### STANDARDS

Test IEC 60331; IEC 60332-3-22 Cat. A

### APPLICATIONS

These instrumentation and communication cable are used to transmit analogue or digital signals in measurement and process control where chemicals may be present. 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 (Sil)

#### Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

#### Overall screen:

Polyester tape

Tinned copper drain wire

Copper backed polyester tape

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

### Core identification

Pair: white - black

White core printed with pair number



额定电压  $U_0/U$   
170/300V



耐火  
IEC 60331



Marking



阻油



抗电磁干扰



操作温度



芯线最高停止温度

NEXANS 279 SIL/IND.+0A.SCR/PVC.170/300V Nber. of pairs & cross-section Cu IEC  
60331 IEC 60332-3-22 (A) MM YYYY Manufacturing numbers+ metric marking  
(cat A)

### Standards

EN 50288-7 (Design guide-lines)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx<sup>eo</sup> is indicative only and shall not be binding on Lynx<sup>eo</sup> or be treated as constituting a representation on the part of Lynx<sup>eo</sup>.

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
导体类型	Stranded, class 2
绝缘	硅树脂橡胶
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
总屏蔽	Tinned copper drain wire + copper polyester tape
外护套	聚氯乙烯
防护	no

### 电气特性

额定电压U <sub>0</sub> /U	170/300V
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### 使用特性

耐火	IEC 60331
阻燃	EN IEC 60332-3-22 (cat A)
耐油	是
抗电磁干扰	是
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	90 ° C
标准	EN

## SECTION 0.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134991	2	0.9	2.06	10.8	12.5	138
	5	0.9	2.06	13.6	15.8	244
	10	0.9	2.06	17.2	20.1	403
10134996	20	0.9	2.06	22.3	26.0	696
	30	0.9	2.06	26.5	30.9	996

## SECTION 0.75MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134998	2	1.1	2.26	11.4	13.3	153
	5	1.1	2.26	14.5	16.9	273
	10	1.1	2.26	18.5	21.5	460
10135003	20	1.1	2.26	23.9	27.9	789
	30	1.1	2.26	28.6	33.4	1145



额定电压U<sub>0</sub>/U  
170/300V



耐火  
IEC 60331



阻燃  
EN IEC 60332-3-22  
(cat A)



耐油  
是



抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

## SECTION 1. 0MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135005	2	1.28	2.44	12.0	14.0	175
	5	1.28	2.44	15.4	17.9	318
	10	1.28	2.44	19.6	22.9	544
10135010	20	1.28	2.44	25.5	29.7	948
	30	1.28	2.44	30.6	35.7	1388

## SECTION 1. 5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135012	2	1.5	2.66	12.7	14.8	207
	5	1.5	2.66	16.4	19.1	391
	10	1.5	2.66	21.1	24.6	687
10135017	20	1.5	2.66	27.5	32.0	1220
	30	1.5	2.66	33.0	38.6	1802

## SECTION 2. 5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	2	1.91	3.07	14.1	16.4	268
	5	1.91	3.07	18.3	21.3	503
	10	1.91	3.07	23.6	27.5	899
	20	1.91	3.07	31.1	36.2	1633
	30	1.91	3.07	37.5	43.8	2425

## SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) and enhanced hydrocarbon resistance on request.

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



额定电压U<sub>0</sub>/U  
170/300V



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