



### CONTACT

Market information  
industryprojects.business@lyn  
xeogroup.com

- Instrumentation cables 170/300 V
- Overall Screen (OS)
- 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 .They are well adapted to underground use in industrial application where chemical and mechanical protections are needed (refinery areas, chemical plant...). They maintain circuit integrity when exposed to fire.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Silicone rubber (Sil)

#### Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

#### Bedding (inner sheath):

Low Smoke Zero Halogen (LSZH)

Colour: black

#### Armour:

Galvanized steel wires (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

### Core identification

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)  
White core printed with pair number



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



耐火  
IEC 60331



阻燃  
EN IEC 60332-3-22  
是



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

### Marking

NEXANS 279 (SHA) OA. SCR/LSZH/SWA/PVC 170/300V Nber of pairs & cross-section Cu IEC  
60331 IEC 60332-3-22 (A) MM YYYY Manufacturing number + metric marking

### Standards

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.

## 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
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	Low smoke, zero halogen thermoplastic compound
铠装类型	镀锌钢丝
外护套	聚氯乙烯
防护	Yes

### 电气特性

额定电压U <sub>0</sub> /U	170/300V
-----------------------	----------

### 机械特性

机械耐冲击性能	好
---------	---

### 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]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135079	1	0.9	2.06	6.2	8.0	9.8	11.4	222
10135080	2	0.9	2.06	7	8.8	10.5	12.2	261
	5	0.9	2.06	12.5	14.3	15.9	18.5	468
	10	0.9	2.06	16.6	18.4	19.4	22.7	683
10135085	20	0.9	2.06	21.9	24.4	25.0	29.2	1178
	30	0.9	2.06	26.3	28.8	29.2	34.0	1540



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



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 0.75MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135087	1	1.1	2.26	6.6	8.4	10.1	11.8	237
10135088	2	1.1	2.26	7.5	9.3	11.1	13.0	286
	5	1.1	2.26	13.5	15.3	16.8	19.6	519
	10	1.1	2.26	18	20.5	21.3	24.9	895
10135093	20	1.1	2.26	23.5	26.0	26.6	31.1	1368
	30	1.1	2.26	29	32.2	32.4	37.8	2010

## SECTION 1.0MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135095	1	1.28	2.44	7	8.8	10.5	12.2	254
10135096	2	1.28	2.44	7.9	9.7	11.5	13.4	315
	5	1.28	2.44	14.4	16.2	17.7	20.5	575
	10	1.28	2.44	19.2	21.7	22.4	26.2	1002
10135101	20	1.28	2.44	25.2	27.7	28.2	32.9	1552
	30	1.28	2.44	31	34.2	34.2	39.9	2287

## SECTION 1.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135103	1	1.5	2.66	7.4	9.2	11.0	12.8	288
10135104	2	1.5	2.66	8.5	10.3	12.0	14.0	351
	5	1.5	2.66	15.5	17.3	18.7	21.7	670
	10	1.5	2.66	20.9	23.4	24.1	28.1	1211
10135109	20	1.5	2.66	28	31.2	31.5	36.8	2101
	30	1.5	2.66	33.6	36.8	36.7	42.8	2800



额定电压U<sub>0</sub>/U  
170/300V



机械耐冲击性能  
好



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 2.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	1	1.91	3.07	8.3	10.1	11.9	13.8	337
	2	1.91	3.07	9.5	11.3	13.0	15.1	424
	5	1.91	3.07	17.6	20.1	21.4	24.9	964
	10	1.91	3.07	23.6	26.1	26.7	31.2	1510
	20	1.91	3.07	31.8	35.0	35.1	41.0	2672
	30	1.91	3.07	38.7	41.9	41.7	48.6	3678

## 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:

- 15 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



机械耐冲击性能好



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