



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

### STANDARDS

Test IEC 60332-3-22 Cat. A

### APPLICATIONS

These Instrumentation and communication are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). The individual screening of each pair limits the consequence of crosstalk.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

#### Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

#### Inner sheath:

Polyvinyl chloride (PVC)

#### Armour:

Galvanized steel wires (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

### CONTACT

Market information  
industryprojects.business@lyn  
xeogroup.com



额定电压U<sub>0</sub>/U  
170/300V



机械冲击性能  
好



Colour: black

Other colour on request

阻燃  
EN IEC 60332-3-22  
(Cat. A)



耐油



抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

### Core identification

Pair: white - black

White core printed with pair number

### Marking

All marking designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx<sup>eo</sup> is intended to be used as a reference for the identification of the product. The marking shall be in accordance with the following requirements:  
EN 50288-7 XLPE Insulation IOS Armoured Fire Retardant  
IEC 60332-3-22 (Cat. A) MM LYY Manufacturing number + metric marking

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
导体类型	Stranded, class 2
绝缘	XLPE (Cross-linked Polyethylene)
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	聚氯乙烯
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
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### 机械特性

机械耐冲击性能	好
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### 使用特性

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>

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]
2	0.9	1.38	7.6	9.4	11.7	12.9	261
5	0.9	1.38	9.8	11.6	13.9	15.4	380
10	0.9	1.38	12.7	14.5	16.8	18.5	547
20	0.9	1.38	16.7	18.5	20.9	23.0	836
30	0.9	1.38	19.8	22.3	24.7	27.3	1261



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

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]
2	1.1	1.58	8.3	10.1	12.4	13.6	291
5	1.1	1.58	10.8	12.6	14.9	16.5	444
10	1.1	1.58	14.2	16.0	18.4	20.3	664
20	1.1	1.58	18.5	21.0	23.5	25.9	1147
30	1.1	1.58	22.3	24.8	27.4	30.2	1551

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

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]
2	1.28	1.76	9	10.8	13.2	14.5	323
5	1.28	1.76	11.7	13.5	15.8	17.4	493
10	1.28	1.76	15.4	17.2	19.6	21.6	750
20	1.28	1.76	20.3	22.8	25.2	27.8	1322
30	1.28	1.76	24.4	26.9	29.4	32.4	1779

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

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]
2	1.5	2.16	10.4	12.2	14.6	16.1	388
5	1.5	2.16	13.7	15.5	17.9	19.8	623
10	1.5	2.16	18.2	20.7	23.2	25.6	1099
20	1.5	2.16	24	26.5	29.0	32.0	1705
30	1.5	2.16	29.3	31.8	34.5	38.1	2590

## SECTION 2.5MM<sup>2</sup>

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]
2	1.91	2.57	11.9	13.7	16.0	17.7	484
5	1.91	2.57	15.8	17.6	20.0	22.0	771
10	1.91	2.57	21.1	23.6	26.2	28.9	1391



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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]
20	1.91	2.57	28.3	30.8	33.6	37.0	2272
30	1.91	2.57	34.1	37.3	40.1	44.2	3358

## 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 $U_0/U$   
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