



CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

- Instrumentation cables 170/300 V
- With lead cover (LC)
- Individual & Overall Screen (IOS)
- Aliphatic and aromatic hydrocarbons resistant

STANDARDS

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

APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons. 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 (SiI)

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:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)
Colour: black

耐火
IEC
Armour:
Galvanized steel wires

阻燃
EN IEC 60332-3-22
(cat A)

耐化学物质
Aliphatic and
aromatic
hydrocarbons
(SWA)

抗电磁干扰
是

操作温度
-20 ... 60 ° C

芯线最高静止温度
90 ° C

Outer sheath:

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

Other colour on request.



额定电压U₀/U
170/300V



机械耐冲击性能
好



耐火
IEC



阻燃
EN IEC 60332-3-22
(cat A)



耐化学物质
Aliphatic and
aromatic
hydrocarbons
(SWA)



抗电磁干扰
是



操作温度
-20 ... 60 ° C



芯线最高静止温度
90 ° C

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 + aluminium/polyester tape |
| 内护套 | Low smoke, zero halogen thermoplastic compound |
| Lead Sheath | Yes |
| 中间护套 | PVC |
| 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 ₀ /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) |
| 耐化学物质 | Aliphatic and aromatic hydrocarbons resistant |
| 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 0.5MM²

| Reference | nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diameter over lead sheath [mm] | Diam. intermediate sheath [mm] | Diam. over armour [mm] | Min. outer diam. [mm] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|-----------|----------|----------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----------------------|------------------------|
| 10135231 | 2 | 0.9 | 2.06 | 10.1 | 12.1 | 14.1 | 15.9 | 17.4 | 20.2 | 895 |
| | 5 | 0.9 | 2.06 | 13.2 | 15.2 | 17.2 | 19.7 | 21.1 | 24.5 | 1320 |
| | 10 | 0.9 | 2.06 | 17.5 | 19.7 | 21.7 | 24.2 | 24.8 | 29.0 | 1861 |
| 10135236 | 20 | 0.9 | 2.06 | 23.2 | 25.8 | 28.2 | 30.7 | 31.1 | 36.2 | 2810 |
| | 30 | 0.9 | 2.06 | 28.2 | 31 | 33.4 | 36.6 | 36.5 | 42.6 | 3916 |



额定电压U₀/U
170/300V



机械耐冲击性能
好



耐火
IEC 60331



阻燃
EN IEC 60332-3-22
(cat A)



耐化学物质
Aliphatic and aromatic
hydrocarbons
resistant



抗电磁干扰
是



操作温度
-20 ... 60 ° C



芯线最高静止温度
90 ° C

SECTION 0.75MM²

| Reference | nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diameter over lead sheath [mm] | Diam. intermediate sheath [mm] | Diam. over armour [mm] | Min. outer diam. [mm] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|-----------|----------|----------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----------------------|------------------------|
| 10135238 | 2 | 1.1 | 2.26 | 10.8 | 12.8 | 14.8 | 16.6 | 18.0 | 21.0 | 956 |
| | 5 | 1.1 | 2.26 | 14.2 | 16.4 | 18.4 | 20.9 | 22.2 | 25.8 | 1481 |
| | 10 | 1.1 | 2.26 | 18.9 | 21.3 | 23.3 | 25.8 | 26.3 | 30.7 | 2130 |
| 10135243 | 20 | 1.1 | 2.26 | 24.8 | 27.4 | 29.8 | 33.0 | 33.1 | 38.6 | 3256 |
| | 30 | 1.1 | 2.26 | 30.6 | 33.6 | 36 | 39.2 | 39.1 | 45.6 | 4417 |

SECTION 1.0MM²

| Reference | nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diameter over lead sheath [mm] | Diam. intermediate sheath [mm] | Diam. over armour [mm] | Min. outer diam. [mm] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|-----------|----------|----------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----------------------|------------------------|
| 10135245 | 2 | 1.28 | 2.44 | 11.3 | 13.3 | 15.3 | 17.1 | 18.5 | 21.5 | 1001 |
| | 5 | 1.28 | 2.44 | 15.1 | 17.3 | 19.3 | 21.8 | 23.0 | 26.8 | 1595 |
| | 10 | 1.28 | 2.44 | 20.2 | 22.6 | 24.6 | 27.1 | 27.6 | 32.2 | 2290 |
| 10135250 | 20 | 1.28 | 2.44 | 26.6 | 29.4 | 31.8 | 35.0 | 35.1 | 41.0 | 3689 |
| | 30 | 1.28 | 2.44 | 32.6 | 35.6 | 38.4 | 41.6 | 41.2 | 48.1 | 4870 |

SECTION 1.5MM²

| Reference | nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diameter over lead sheath [mm] | Diam. intermediate sheath [mm] | Diam. over armour [mm] | Min. outer diam. [mm] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|-----------|----------|----------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----------------------|------------------------|
| 10135252 | 2 | 1.5 | 2.66 | 12.2 | 14.2 | 16.2 | 18.0 | 19.5 | 22.7 | 1102 |
| | 5 | 1.5 | 2.66 | 16.2 | 18.4 | 20.4 | 22.9 | 24.2 | 28.1 | 1749 |
| | 10 | 1.5 | 2.66 | 21.8 | 24.4 | 26.4 | 28.9 | 29.3 | 34.1 | 2643 |
| 10135257 | 20 | 1.5 | 2.66 | 29.3 | 32.3 | 34.7 | 37.9 | 37.9 | 44.2 | 4373 |
| | 30 | 1.5 | 2.66 | 35.1 | 38.3 | 41.1 | 45.1 | 44.6 | 52.0 | 6033 |



额定电压U₀/U
170/300V



机械耐冲击性能好



耐火
IEC 60331



阻燃
EN IEC 60332-3-22
(cat A)



耐化学物质
Aliphatic and
aromatic
hydrocarbons
resistant



抗电磁干扰是



操作温度
-20 ... 60 °C



芯线最高静止温度
90 °C

SECTION 2.5MM²

| Reference | nb pairs | Conductor diam. [mm] | Diam. over insulation [mm] | Diam. over inner sheath [mm] | Diameter over lead sheath [mm] | Diam. intermediate sheath [mm] | Diam. over armour [mm] | Min. outer diam. [mm] | Max. outer diam. [mm] | Approx. weight [kg/km] |
|-----------|----------|----------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|-----------------------|------------------------|
| | 2 | 1.91 | 3.07 | 13.7 | 15.9 | 17.9 | 20.4 | 21.7 | 25.3 | 1443 |
| | 5 | 1.91 | 3.07 | 18.3 | 20.7 | 22.7 | 25.2 | 26.3 | 30.6 | 2092 |
| | 10 | 1.91 | 3.07 | 24.6 | 27.2 | 29.6 | 32.8 | 32.9 | 38.4 | 3336 |
| | 20 | 1.91 | 3.07 | 33.1 | 36.3 | 39.1 | 42.3 | 42.0 | 49.0 | 5335 |
| | 30 | 1.91 | 3.07 | 40.3 | 43.9 | 46.7 | 50.7 | 50.0 | 58.3 | 7579 |

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) 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U₀/U
170/300V



机械耐冲击性能好



耐火
IEC 60331



阻燃
EN IEC 60332-3-22
(cat A)



耐化学物质
Aliphatic and aromatic hydrocarbons resistant



抗电磁干扰是



操作温度
-20 ... 60 °C



芯线最高静止温度
90 °C