



- Instrumentation cables 250 V
- Individual & Overall Screen (IOS)
- Hydrocarbons resistant and enhanced resistance to aromatics

STANDARDS

Test 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 chemical 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.

Nexans code

- 1st serie = number of pairs, triples or quads: 01 to 27
- 2nd serie = pair (IP), triple (IT), quad (IQ) - 3rd serie = conductor 05 (1 x 0.8 mm), 09 (7 x 0.4 mm) or 15 (7 x 0.52 mm)
- 4th serie = overall screen (EG), individual screen + overall screen (EI)
- 5th serie = mechanical protection: without metal tape (SF), with steel tape (FA), with lead and steel tape (PF)

Design

Conductor:

- Solid plain copper 0.50 mm² (1 x 0.80 mm) or stranded plain copper cross-section 0.88 mm² (7 x 0.40 mm)

Insulation:

- Polyvinyl chloride (PVC)

Individual screen:

- Polyester tape
- Tinned copper drain wire
- Aluminium/polyester tape

Individual sheath:

- Polyvinyl chloride (PVC)

Overall screen:

- Polyester tape
- Tinned copper drain wire
- Aluminium/polyester tape

Inner sheath:

- Polyvinyl chloride (PVC)

Lead covering

Armour:

- Paraffin-waxed crepe paper
- Double steel tape

Outer sheath:

- Polyvinyl chloride (PVC)
- Colour: light-blue or grey

CONTACT

Market information
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阻燃
EN IEC 60332-3-22 (cat A)



耐化学物质
Hydrocarbons resistant and enhanced resistance to aromatics



抗电磁干扰
Blue individual sheath printed with pair/triple number



操作温度
-20...70 °C



芯线最高静止温度
70 °C

Core identification

Pair: natural - red
Triple: natural - red - blue

Blue individual sheath printed with pair/triple number

Marking

NEXANS 279- Number of pair/triple IP/IT 05/09 EI PF IEC 60332-3-22(A)+ metric marking

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}.

CHARACTERISTICS

结构特性

| | | |
|-------------------|---|------|
| 导体材料 | | 裸铜 |
| 绝缘 | | 聚氯乙烯 |
| 线对屏蔽 | Tinned copper drain wire + aluminium/polyester tape | |
| Individual sheath | | PVC |
| 总屏蔽 | Tinned copper drain wire + aluminium/polyester tape | |
| 内护套 | | 聚氯乙烯 |
| Lead Sheath | | Yes |
| 铠装类型 | | 钢带 |
| 外护套 | | 聚氯乙烯 |

尺寸特性

| | | |
|----------------------------|--|---------------------|
| 导线截面 | | 0.5 mm ² |
| 线对数 | | 12 |
| 三线组数 | | - |
| 导线直径 | | 0.8 mm |
| 绝缘外径 | | 1.6 mm |
| Diameter over inner sheath | | 20.3 mm |
| Lead cover diameter | | 22.9 mm |
| 铠装外径 | | 24.7 mm |
| 外径最小值 | | 26.7 mm |
| Maximum outer diameter | | 29.4 mm |
| 近似重量 | | 1798 kg/km |

电气特性

| | | |
|------|--|-------|
| 工作电压 | | 250 V |
|------|--|-------|

使用特性

| | | |
|----------|--|---------------------------|
| 阻燃 | | EN IEC 60332-3-22 (cat A) |
| 耐化学物质 | Hydrocarbons resistant and enhanced resistances to aromatics | |
| 抗电磁干扰 | | 是 |
| 操作温度范围 | | -20 ... 60 ° C |
| 芯线最高静止温度 | | 70 ° C |
| 标准 | | NFM |



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70 ° C

ELECTRICAL DATA NF M 87202

Electrical data

| Section | Maximum Voltage (V) | Voltage Test (V) | DC Lineic resistance at 20°C (Ω/km) | Self Inductance mH/km | | Capacitance between cond. (nF/km) |
|---------|---------------------|------------------|-------------------------------------|-----------------------|----------|-----------------------------------|
| | | | | Non Armoured | Armoured | |
| 05 | 250 | 2 000 | 37.5 | 0.33 | 0.38 | ≤145 |
| 09 | 250 | 2 000 | 21.4 | 0.31 | 0.36 | ≤160 |
| 15 | 250 | 2 000 | 12.1 | 0.31 | 0.36 | ≤180 |

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

- 10 x outer diameter
- To be doubled during laying operations



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