



- 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 mm<sup>2</sup> (1 x 0.80 mm) or stranded plain copper cross-section 0.88 mm<sup>2</sup> (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



操作温度



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

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
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 <sup>2</sup>
线对数	-
三线组数	12
导线直径	0.8 mm
绝缘外径	1.6 mm
Diameter over inner sheath	22.6 mm
Lead cover diameter	25.4 mm
铠装外径	27.2 mm
外径最小值	29.3 mm
Maximum outer diameter	32.3 mm
近似重量	2175 kg/km

### 电气特性

工作电压	250 V
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### 使用特性

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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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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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