



- Instrumentation cables 250 V
- Overall Screen (OS)
- Hydrocarbons resistant

### 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 where hydrocarbons may be present.

### CONTACT

Market information  
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### 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) or 1.5 mm<sup>2</sup> (7 x 0.52 mm)

#### Insulation:

- Polyvinyl chloride (PVC)

#### Overall screen:

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

#### Outer sheath:

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

### Core identification

Pair: natural - red  
Triple: natural - red - blue  
Quad: natural - red - blue - yellow  
Natural cores printed with pair/triple number

### Marking

NEXANS 279 - Number of pair/triple/quad IP/IT/IQ 05/09/15 EG SF IEC 60332-3-22 (A) + metric marking



阻燃  
EN IEC 60332-3-22 (cat A)



耐化学物质  
Hydrocarbons resistant



抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
70 ° C

## CHARACTERISTICS

### 结构特性

导体材料	裸铜
绝缘	聚氯乙烯
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
外护套	聚氯乙烯

### 尺寸特性

导线截面	0.5 mm <sup>2</sup>
线对数	27
三线组数	-
四线组数	-
导线直径	0.8 mm
绝缘外径	1.6 mm
外径最小值	19.7 mm
Maximum outer diameter	21.7 mm
近似重量	530 kg/km

### 电气特性

工作电压	250 V
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### 使用特性

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标准	NFM

## 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



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## SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations



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