



- Instrumentation cables 250 V
- Individual & Overall Screen (IOS)
- Hydrocarbons resistant

STANDARDS

Test IEC 60332-3-22 Cat. A

APPLICATIONS

These instrumentation and communication cable are used to transmit analogue or digital signals in measurement and process control where chemicals may be present. 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)

Collective 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

Blue individual sheath printed with pair or triple number

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

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

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
外护套	聚氯乙烯

尺寸特性

导线截面	0.5 mm ²
线对数	3
三线组数	-
导线直径	0.8 mm
绝缘外径	1.6 mm
外径最小值	11.2 mm
Maximum outer diameter	12.8 mm
近似重量	185 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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