



- 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.

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) or 1.5 mm² (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

四线组数	-
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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

SECTION 0.5MM

Name	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
03 IP 05 EG SF	8.0	9.1	95
07 IP 05 EG SF	10.5	11.8	165
07 IT 05 EG SF	12.1	13.5	230
12 IP 05 EG SF	13.4	14.9	255
12 IT 05 EG SF	15.5	17.1	375
19 IP 05 EG SF	16.9	18.6	385
27 IP 05 EG SF	19.7	21.7	530

SECTION 0.88MM

Name	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
01 IP 09 EG SF	6.1	7.0	65
01 IT 09 EG SF	6.4	7.4	75
01 IQ 09 EG SF	7.0	8.0	90
03 IP 09 EG SF	10.4	11.7	160
07 IP 09 EG SF	13.9	15.4	280



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Name	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
07 IT 09 EG SF	16.4	18.1	410
12 IP 09 EG SF	18.3	20.2	465
12 IT 09 EG SF	20.8	22.9	660
19 IP 09 EG SF	22.7	25.0	700
27 IP 09 EG SF	26.6	29.3	945

SECTION 1.5MM

Name	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
01 IP 15 EG SF	6.8	7.8	83
01 IT 15 EG SF	7.2	8.2	100

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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