



- Instrumentation cables 250 V
- Overall Screen (OS)
- 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 protections are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons.

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)

Collective 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

Core identification

Pair: natural - red

Triple: natural - red - blue

Quad: natural - red - blue - yellow

Natural cores printed with pair/triple number



阻燃
EN IEC 60332-3-22 (cat A)



耐化学物质
Hydrocarbons resistant



Marking

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



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
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

四线组数	1
------	---

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
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

SECTION 0.5MM

Reference Name	Diam. over inner sheath [mm]	Lead cover diameter [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
03 IP 05 EG PF	8.5	10.5	14.0	15.5	566
07 IP 05 EG PF	11.1	13.3	16.9	18.6	787
07 IT 05 EG PF	12.7	14.9	18.5	20.4	959
12 IP 05 EG PF	14.2	16.6	20.4	22.5	1115
12 IT 05 EG PF	16.2	18.6	22.3	24.6	1353
19 IP 05 EG PF	17.4	19.8	23.5	25.9	1414
27 IP 05 EG PF	20.5	23.1	26.9	29.6	1830



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

SECTION 0. 88MM

Reference Name	Diam. over inner sheath [mm]	Lead cover diameter [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
01 IP 09 EG PF	6.6	8.6	11.8	13.2	485
01 IT 09 EG PF	6.9	8.9	12.2	13.6	518
01 IQ 09 EG PF	7.5	9.5	13.0	14.4	573
03 IP 09 EG PF	10.9	13.1	16.8	18.5	759
07 IP 09 EG PF	14.6	17	20.8	22.9	1136
07 IT 09 EG PF	17	19.4	23.1	25.5	1396
12 IP 09 EG PF	18.8	21.4	25.2	27.8	1605
12 IT 09 EG PF	21.5	24.3	28.2	31.1	2071
19 IP 09 EG PF	23.3	26.1	30.0	33.1	2185
27 IP 09 EG PF	27.4	30.4	34.3	37.9	2798

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:



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

10 x outer diameter
To be doubled during laying operations



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