



- 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 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)

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

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

SECTION 0.5MM

Reference Name	Diam. over inner sheath [mm]	Lead cover diameter [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
03 IP 05 EI PF	11.6	13.8	15.6	17.5	19.3	837
07 IP 05 EI PF	15.8	18.2	20.0	21.9	24.2	1248
07 IT 05 EI PF	17.8	20.4	22.2	24.3	26.8	1549
12 IP 05 EI PF	20.3	22.9	24.7	26.7	29.4	1798
12 IT 05 EI PF	22.6	25.4	27.2	29.3	32.3	2175
19 IP 05 EI PF	25.2	28.2	30.0	32.0	35.3	2552
27 IP 05 EI PF	29.5	32.7	34.5	36.6	40.3	3232



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SECTION 0. 88MM

Reference Name	Diam. over inner sheath [mm]	Lead cover diameter [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
03 IP 09 EI PF	14.3	16.7	18.5	20.5	22.6	1086
07 IP 09 EI PF	19.2	21.8	23.6	25.6	28.3	1678
07 IT 09 EI PF	21.9	24.7	26.5	28.6	31.6	2074
12 IP 09 EI PF	25.1	28.1	29.9	31.9	35.2	2510
12 IT 09 EI PF	27.8	30.8	32.6	34.7	38.3	2924
19 IP 09 EI PF	30.8	34	35.8	37.8	41.7	3366
27 IP 09 EI PF	36.3	39.9	41.7	43.9	48.5	4500

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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