



- Instrumentation cables 250 V
- Overall Screen (OS)
- **Hydrocarbons resistant and HALOGEN FREE**

STANDARDS

Ensayo NF C32-070/C1

APPLICATIONS

These instrumentation and communication cables are used to **transmit analogue or digital signals in measurement and process control where hydrocarbons may be present**. These cables are **fire retardant in compliance with the requirements of the NFC 32070 C1 standard**.

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 (0.8 mm wire), 09 (7 wires of 0.4 mm) or 15 (7 x 0.52 mm)
- 4th serie = collective screen (EG), individual screen + collective screen (EI)
- 5th serie = mechanical protection: without metal tape (SF), with steel tape (FA), with lead and steel tape (PF)

Design

Conductor:

- Stranded plain copper cross-section 0.88 mm² (7 x 0.40 mm)

Insulation:

- Polyethylene (PE)

Collective screen:

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

Outer sheath:

- Thermoplastic zero halogen
- Colour: light-blue

Core identification

Pair: natural - red
Triple: natural - red - blue

Marking

NEXANS 279 - Number of pair/triple IP/IT 09 EG SF OH NFC 32070 C1 OH + metric marking



Libre de halógenos
Sí



No propagador del incendio
C1, NF C 32-070



Resistencia química
Hydrocarbons resistant



Resistencia a interferencias
electromagnéticas
Sí



Temp. ambiente de
utilización
-20 ... 60 °C



Max.conductor temp.in
service
70 °C

CHARACTERISTICS

Características de construcción

Material del conductor	Plain copper
Aislamiento	Polietileno
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta exterior	Thermoplastic material
Color de cubierta	Azul claro
Libre de halógenos	Sí

Características dimensionales

Sección del conductor	0,88 mm ²
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Características eléctricas

Tensión de operación	250 V
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Características de uso

No propagador del incendio	C1, NF C 32-070
Resistencia química	Hydrocarbons resistant
Resistencia a interferencias electromagnéticas	Sí
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	70 °C
Standard	NFM

BLUE SHEATH

Reference	Name	Diámetro exterior mínimo [mm]	Diámetro ext. máximo [mm]	Peso aprox. [kg/km]
10048752	01 IP 09 EG SF OH C1	6,1	7,0	53
10048781	01 IT 09 EG SF OH C1	6,4	7,4	62

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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Max. conductor temp. in service
70 °C

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

1 core: 10 x outer diameter
To be doubled during laying operations



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Sí



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