



**Reference:** 10048781  
**Country Ref.:** 01270264  
**EAN 13:** 3427580038440

### CONTACT

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

### STANDARDS

Test 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 mm<sup>2</sup> (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



Halogen free  
Yes



Fire retardant  
NF C 32-070 C1



Chemical resistance  
Hydrocarbons resistant



Electro magnetic interference  
resistance  
Yes



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in  
service  
70 °C

## CHARACTERISTICS

### Construction characteristics

Conductor material	Plain copper
Insulation	PE
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Outer sheath	Thermoplastic material
Sheath colour	Light blue
Halogen free	Yes

### Dimensional characteristics

Conductor cross-section	0.88 mm <sup>2</sup>
Number of pairs	0
Number of triples	1
Minimum outer diameter	6.4 mm
Maximum outer diameter	7.4 mm
Approximate weight	62 kg/km

### Electrical characteristics

Operating voltage	250 V
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### Usage characteristics

Fire retardant	NF C 32-070 C1
Chemical resistance	Hydrocarbons resistant
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	70 °C
Standard	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



Halogen free  
Yes



Fire retardant  
NF C 32-070 C1



Chemical resistance  
Hydrocarbons resistant



Electro magnetic interference  
resistance  
Yes



Operating temp.  
-20 ... 60 °C



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



Halogen free  
**Yes**



Fire retardant  
**NF C 32-070 C1**



Chemical resistance  
**Hydrocarbons resistant**



Electro magnetic interference  
resistance  
**Yes**



Operating temp.  
**-20 ... 60 °C**



Max. conductor temp.in  
service  
**70 °C**