AFNOR NF M 87-202 OS Unarmoured OH C1

- 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 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

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

CONTACT

Market information
industryprojects.business@lynxeogroup.com

AFNOR NF M 87-202 OS Unarmoured OH C1

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 mm²
Electrical characteristics	
Operating voltage	250 V
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

BLUE SHEATH

Reference	Name	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [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

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