



Caledonian

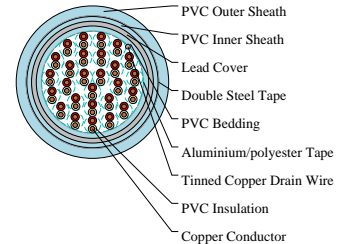
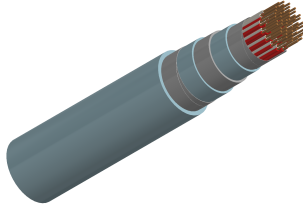
Instrumentation Cables (French Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

NF M 87-202 EGPF

27 IP 05 EGPF 27X2X0.5



APPLICATIONS

These NF M 87-202 EGPF instrumentation cables are used for safety extra-low use in petroleum and petrochemical units particularly for the transmission of a.c. or d.c. analogue signals, They lead cover brings an enhanced resistance to aromatics hydrocarbons.

STANDARDS

NF M 87-202

UTE C 32-014

NF C 32-020

IEC 60332-1

IEC 60332-3-24

CABLE CONSTRUCTION

Conductor: Solid copper conductor

Insulation: PVC (70 mm maximum pair length)

Binder tape: Polyester tape

Collective Screen: Aluminium/Polyester tape with tinned copper drain wire

Inner Sheath: PVC

Bedding: PVC

LEAD Cover

Armouring: Double Steel Tape

Outer Sheath: PVC (Flame retardant, sunlight, mineral oil and hydrocarbon resistant)

COLOUR CODE

Insulation Core Identification:

Pair: Natural+Red

Natural cores printed with pair/triple number

Outer Sheath Colour: Light-blue

PHYSICAL AND THERMAL PROPERTIES

Voltage Rating: 300/500V



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Operating Temperature: -40°C/+90°C

Installation Temperature: MAX+50°C

Maximum Voltage: 250V

Voltage Test: 2000V

Maximum conductor d.c. Resistance:

1/0.80mm(0.50 sqmm) 37.50 Ohm/km at +20°C

Capacitance between cond. (nf/km):

0.5 sqmm ≤ 145

Type/codification:

1 Serie: Number of pairs, triples or quads / 01 to 27

2 Serie: Lay up in pair(IP) ,triple (IT) , quads (IQ)

3 Serie: Core section 05 (0.5mm²) , 09 (0.88 mm²) or 15(1.5mm²)

4 Serie: Overall screen(EG) or individual screen + overall screen(EI)

5 Serie: Mechanical protection: without armour (SF), with armour (FA), with lead + armour(PF)

DIMENSION AND PARAMETERS

Caledonian Cable Code	No. of Cores × Cross-sectional Area	Nominal Cross-sectional Area	Overall Diameter (min.)	Overall Diameter (max.)	Approx. Weight
	No. ×mm ²	mm ²	mm	mm	kg/km
27 IP 05 EGPF	27X2X0.5	0.5	25.9	29.8	1855