



# Caledonian

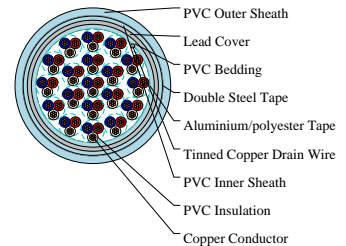
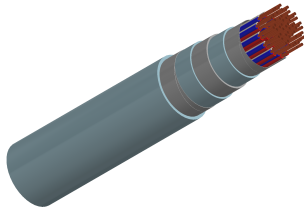
Instrumentation Cables (French Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## NF M 87-202 EGPF

19 IT 15 EGPF 19X3X01.5



## 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: Stranded 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:

Triple: Natural+Red+Blue

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:

7/0.53mm(1.50 sqmm) 12.50 Ohm/km at +20°C

Capacitance between cond. (nf/km):

1.50 sqmm ≤ 180

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 (0.5mm<sup>2</sup>) , 09 (0.88 mm<sup>2</sup>) or 15(1.5mm<sup>2</sup>)

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 <sup>2</sup>                | mm <sup>2</sup>              | mm                      | mm                      | kg/km          |
| 19 IT 15 EGPF         | 19X3X1.5                            | 1.5                          | 37                      | 40.8                    | 3617           |