



# Caledonian

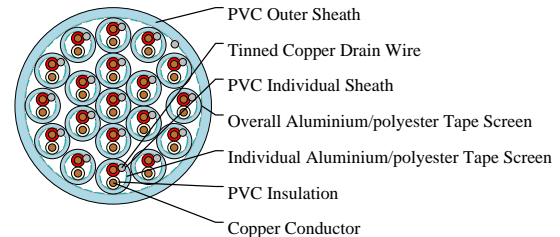
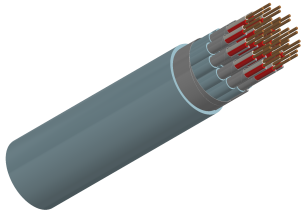
Instrumentation Cables (French Standard)

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

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

## NF M 87-202 EISF

19 IP 05 EISF 19X2X0.5



## APPLICATIONS

These NF M 87-202 EISF instrumentation cables are used to transmit analogue or digital signals in easurement and process control where chemicals may be present.

## 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)

Individual Binder Tape: Polyester tape

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

Individual Sheath: PVC

Overall Binder Tape : Polyester tape

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

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

Operating Temperature: -40°C/+90°C

Installation Temperature: MAX+50°C



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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  $\leq$  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 (0.5mm<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 IP 05 EISF	19X2X0.5	0.5	24.5	28.1	820