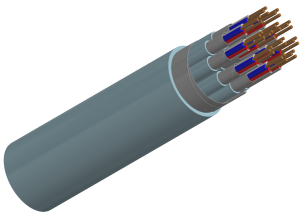
Caledonian

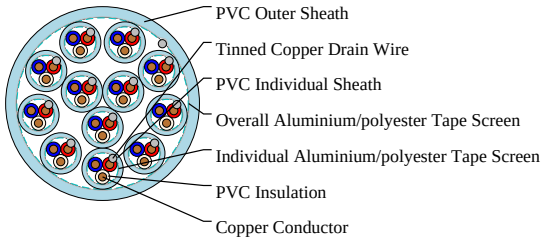
Instrumentation Cables (French Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

NF M 87-202 EISF

12 IT 05 EISF 12X3X0.5





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:Polyster tape
Individual Screen:Aluminium/Polyester tape with tinned copper drain wire
Individual Sheath:PVC
Overall Binder Tape :Polyster 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:
Triple:Natural+Red+Blue
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 ≤ 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.×mm²	mm²	mm	mm	kg/km
12 IT 05 EISF	12X3X0.5	0.5	21.5	24.6	695