

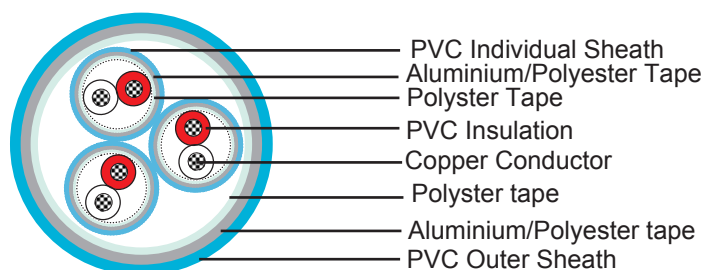


## NF M 87-202 EISF

### Applications:

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

### Construction:



#### Conductor:

Solid or Stranded copper conductor

#### Insulation:

PVC (70 mm maximum pair length)

#### Individual Binder Tape:

Polyster tape

#### Individual Screen:

Aluminium/polyester tape

#### Individual Sheath:

PVC

#### Overall Binder Tape :

Polyster tape

#### Collective Screen:

Aluminium/polyester tape

#### Outer Sheath:

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

**Outer Sheath Colour:** Light-blue



### Core identification:

Colours	Natural	Red	Blue	Yellow
1 pair	X	X		
1 triple	X	X	X	
1 quad	X	X	X	X

Natural cores printed with pair/triple number

### Standards References:

NF M 87-202

UTE C 32-014

NF C 32-020

IEC 60332-1

IEC 60332-3-24

### Characteristics:

**Voltage Rating:** 300/500V

**Operating Temperature:** -40°C/+90°C

**Installation Temperature:** MAX+50° C

**Maximum Voltage:** 250V

**Voltage Test:** 2000V

**Maximum conductor d.c. Resistance:**

Conductor Size	Ohm/km at +20°C
1/0.80mm(0.50 sqmm)	37.50
7/0.40mm(0.88 sqmm)	21.40
7/0.53mm(1.50 sqmm)	12.50

**Capacitance between cond. (nf/km):**

0.5 sqmm ≤ 145

0.88 sqmm ≤ 160

1.50 sqmm ≤ 180



### Type/codification:

<b>1 Serie</b>	Number of pairs, triples or quads / 01 to 27
<b>2 Serie</b>	Lay up in pair(IP) ,triple (IT) , quads (IQ)
<b>3 Serie</b>	Core section 05 (0.5mm <sup>2</sup> ) , 09 (0.88 mm <sup>2</sup> ) or 15(1.5mm <sup>2</sup> )
<b>4 Serie</b>	Overall screen(EG) or individual screen + overall screen(EI)
<b>5 Serie</b>	Mechanical protection: without armour (SF), with armour (FA), with lead + armour(PF)

### Dimensions and Weight:

NF M 87-202	Number of beams x cross section	Cond. mm <sup>2</sup>	Outer Diameter(mm)		Weight (kg/km)
			Min.	Max.	
03 IP 05 EISF	3X2X0.50	0.50	11.10	12.80	180
07 IP 05 EISF	7X2X0.50	0.50	15.40	17.70	335
12 IP 05 EISF	12X2X0.50	0.50	19.80	22.80	545
19 IP 05 EISF	19X2X0.50	0.50	24.50	28.10	820
27 IP 05 EISF	27X2X0.50	0.50	28.90	33.20	1135
03 IP 09 EISF	3X2X0.88	0.88	13.50	15.50	270
07 IP 09 EISF	7X2X0.88	0.88	19.00	21.80	500
12 IP 09 EISF	12X2X0.88	0.88	24.50	28.10	820
19 IP 09 EISF	19X2X0.88	0.88	30.30	34.80	1120
27 IP 09 EISF	27X2X0.88	0.88	35.80	41.10	1700
01 IP 15 EISF	1X2X1.50	1.50	7.20	8.40	90
07 IT 05 EISF	7X3X0.50	0.50	16.90	19.40	425
12 IT 05 EISF	12X3X0.50	0.50	21.50	24.60	695
07 IT 09 EISF	7X3X0.88	0.88	20.60	23.70	655
12 IT 09 EISF	12X3X0.88	0.88	26.50	30.40	1045
01 IT 15 EISF	1X3X1.50	1.50	7.50	8.80	110