

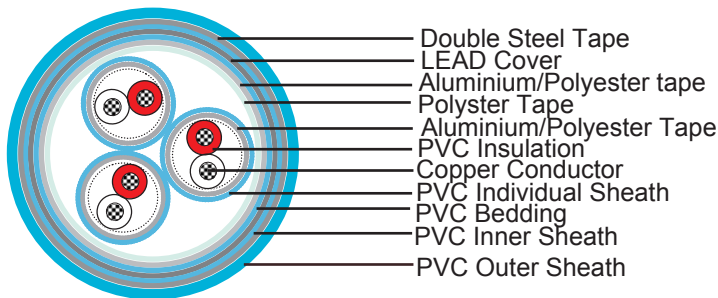


## NF M 87-202 EIPF

### Applications:

These NF M 87-202 EIPF 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 are well adapted to underground use in industrial applications, in moist areas, where chemical and mechanical protection are needed.

### Construction:



#### Conductor:

Solid or Stranded copper conductor

#### Insulation:

PVC (70 mm maximum pair length)

#### Individual Screen:

Aluminium/polyester tape

#### Individual Sheath:

PVC

#### Overall Binder Tape :

Polyster tape

#### Collective Screen:

Aluminium/polyester tape

#### Bedding: PVC

#### LEAD Cover

#### Inner Sheath: PVC

#### Amouring:



Double Steel 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 EIPF	3X2X0.50	0.50	17.10	19.60	950
07 IP 05 EIPF	7X2X0.50	0.50	21.80	25.00	1450
12 IP 05 EIPF	12X2X0.50	0.50	26.60	30.50	2025
19 IP 05 EIPF	19X2X0.50	0.50	31.60	36.30	2745
27 IP 05 EIPF	27X2X0.50	0.50	36.50	41.90	3400
03 IP 09 EIPF	3X2X0.88	0.88	19.50	22.30	1170
07 IP 09 EIPF	7X2X0.88	0.88	25.40	29.10	1810
12 IP 09 EIPF	12X2X0.88	0.88	31.60	36.30	2745
19 IP 09 EIPF	19X2X0.88	0.88	37.80	43.40	3770
27 IP 09 EIPF	27X2X0.88	0.88	43.90	50.40	4910
07 IT 05 EIPF	7X3X0.50	0.50	24.30	26.80	1549
12 IT 05 EIPF	12X3X0.50	0.50	29.30	32.30	2175
07 IT 09 EIPF	7X3X0.88	0.88	28.60	31.60	2074
12 IT 09 EIPF	12X3X0.88	0.88	34.70	38.30	1025