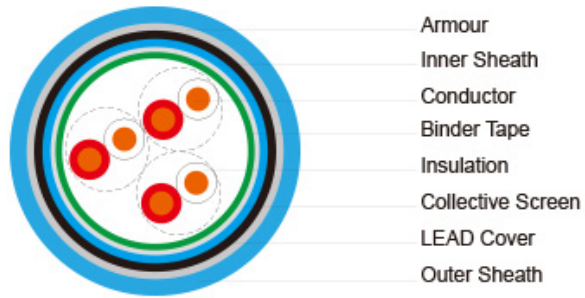


**NF M 87-202 EGPF**



**APPLICATION**

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 References:**

NF M 87-202  
UTE C 32-014  
NF C 32-020  
IEC 60332-1  
IEC 60332-3-24

**Conductor:**

Solid or Stranded copper conductor

**Insulation:**

PVC (70 mm maximum pair length)

**Binder tape:**

Polyster tape

**Collective Screen:**

Aluminium/polyester tape

**Inner Sheath:**

PVC

**Bedding:**

PVC LEAD Cover

**Armouring:**

Double Steel Tap

**Outer Sheath:**

PVC (Flame retardant, sunlight, mineral oil and hydrocarton 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

**Characteristics**

Voltage Rationg: 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)

Natural cores printed with pair/triple number

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.	
01 IQ 05 EGPF	1X4X0.50	0.50	11.30	12.60	453
02 IP 05 EGPF	2X2X0.50	0.50	10.60	11.90	401
03 IP 05 EGPF	3X2X0.50	0.50	13.70	15.70	635
07 IP 05 EGPF	7X2X0.50	0.50	16.30	18.70	840
12 IP 05 EGPF	12X2X0.50	0.50	19.40	22.20	1160
19 IP 05 EGPF	19X2X0.50	0.50	22.90	26.30	1550
27 IP 05 EGPF	27X2X0.50	0.50	25.90	19.80	1855
01 IQ 09 EGPF	1X4X0.88	0.88	12.70	14.60	575
01 IP 09 EGPF	1X2X0.88	0.88	11.70	13.40	500
02 IP 09 EGPF	2X2X0.88	0.88	11.80	13.20	485
03 IP 09 EGPF	3X2X0.88	0.88	16.80	18.50	759
07 IP 09 EGPF	7X2X0.88	0.88	20.80	22.90	1136

12 IP 09 EGPF	12X2X0.88	0.88	25.20	27.80	1605
19 IP 09 EGPF	19X2X0.88	0.88	30.00	33.10	2185
27 IP 09 EGPF	27X2X0.88	0.88	34.30	37.90	2798
03 IP 09 EGPF	3X2X0.88	0.88	16.20	18.60	825
07 IP 09 EGPF	7X2X0.88	0.88	19.90	22.90	1205
12 IP 09 EGPF	12X2X0.88	0.88	24.20	27.80	1740
19 IP 09 EGPF	19X2X0.88	0.88	28.80	33.00	2300
27 IP 09 EGPF	27X2X0.88	0.88	33.00	37.80	2910
01 IP 15 EGPF	1X2X1.50	1.50	12.70	14.10	546
03 IP 15 EGPF	3X2X1.50	1.50	18.00	19.80	887
07 IP 15 EGPF	7X2X1.50	1.50	22.60	24.90	1362
12 IP 15 EGPF	12X2X1.50	1.50	27.70	30.60	2039
19 IP 15 EGPF	19X2X1.50	1.50	33.20	36.60	2783
27 IP 15 EGPF	27X2X1.50	1.50	37.80	41.70	3556
01 IT 05 EGPF	01X3X0.50	0.50	10.90	12.20	421
07 IT 05 EGPF	7X3X0.50	0.50	18.50	20.40	959
12 IT 05 EGPF	12X3X0.50	0.50	22.30	24.60	1353
19 IT 05 EGPF	19X3X0.50	0.50	26.30	29.00	1838
01 IQ 09 EGPF	1X4X0.88	0.88	13.00	14.40	573
01 IT 09 EGPF	1X3X0.88	0.88	12.00	13.70	530
07 IT 09 EGPF	7X3X0.88	0.88	23.10	25.50	1396
12 IT 09 EGPF	12X3X0.88	0.88	28.20	31.10	207
19 IT 09 EGPF	19X3X0.88	0.88	33.60	37.00	282
01 IT 15 EGPF	1X3X1.50	1.50	13.10	14.60	594
07 IT 15 EGPF	7X3X1.50	1.50	25.40	28.00	1785
12 IT 15 EGPF	12X3X1.50	1.50	30.80	33.90	2526
19 IT 15 EGPF	19X3X1.50	1.50	37.00	40.80	3617