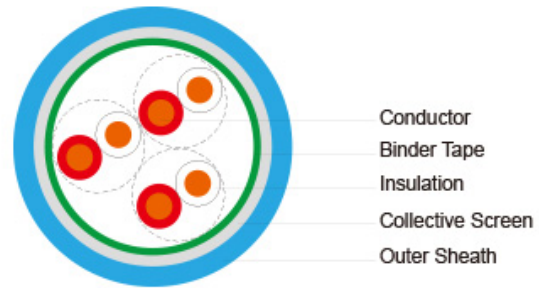


**NF M 87-202 EGSF**



**APPLICATION**

These NF M 87-202 EGSF 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.

**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

**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

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)

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 EGSF	3X2X0.5	0.50	8.00	9.30	95
07 IP 05 EGSF	7X2X0.5	0.50	10.50	12.10	160
12 IP 05 EGSF	12X2X0.5	0.50	13.40	15.40	255
19 IP 05 EGSF	19X2X0.5	0.50	16.60	19.00	380
27 IP 05 EGSF	27X2X0.5	0.50	19.20	22.00	510
01 IQ 09 EGSF	1X4X0.88	0.88	7.00	8.20	90
01 IP 09 EGSF	1X2X0.88	0.88	6.10	7.20	65
03 IP 09 EGSF	3X2X0.88	0.88	10.50	12.00	150
07 IP 09 EGSF	7X2X0.88	0.88	14.00	16.00	280
12 IP 09 EGSF	12X2X0.88	0.88	17.90	20.40	440
19 IP 09 EGSF	19X2X0.88	0.88	22.00	25.30	665
27 IP 09 EGSF	27X2X0.88	0.88	25.80	29.60	880
01 IP 15 EGSF	1X2X1.50	1.50	6.80	7.80	83
07 IT 05 EGSF	7X3X0.50	0.50	12.00	13.80	210

12 IT 05 EGSF	12X3X0.50	0.50	15.50	17.10	375
01 IT 09 EGSF	1X3X0.88	0.88	6.40	7.50	80
07 IT 09 EGSF	7X3X0.88	0.88	16.40	18.10	410
12 IT 09 EGSF	12X3X0.88	0.88	20.80	22.90	660
01 IT 15 EGSF	1X3X1.50	1.50	7.20	8.20	100