

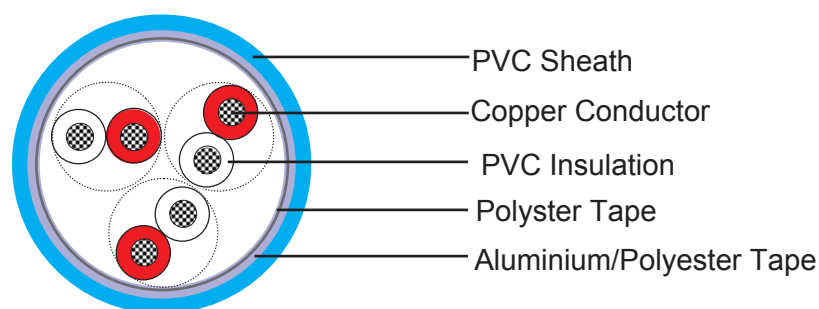


NF M 87-202 EGSF

Applications:

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.

Construction:



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

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:

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 (0.5mm ²) , 09 (0.88 mm ²) or 15(1.5mm ²)
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)



Dimensions and Weight:

NF M 87-202	Number of beams x cross section	Cond. mm ²	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