

NF M 87-202 EIPF



- Armour
- Inner Sheath
- Overall Screen
- Conductor
- Insulation
- Individual Sheath
- Individual Screen
- Overall Binder Tape
- LEAD Cover
- Outer Sheath

APPLICATION

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.

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)

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

Armouring:

Double Steel Tape

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 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)

Natural cores printed with pair/triple number

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 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
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