

NF M 87-202 EISF



- Overall Sheath
- Overall Screen
- Overall Binder Tape
- Conductor
- Insulation
- Individual Sheath
- Individual Screen
- Individual Binder Tape

APPLICATION	These NF M 87-202 EISF instrumentation cables are used to transmit analogue or digital signals in easurement and process control where chemicals may be present.
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 Binder Tape:	Polyster tape
Individual Screen:	Aluminium/polyester tape
Individual Sheath:	PVC
Overall Binder Tape :	Polyster tape
Collective Screen:	Aluminium/polyester 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 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:

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 EISF	3X2X0.50	0.50	11.10	12.80	180
07 IP 05 EISF	7X2X0.50	0.50	15.40	17.70	335
12 IP 05 EISF	12X2X0.50	0.50	19.80	22.80	545
19 IP 05 EISF	19X2X0.50	0.50	24.50	28.10	820
27 IP 05 EISF	27X2X0.50	0.50	28.90	33.20	1135
03 IP 09 EISF	3X2X0.88	0.88	13.50	15.50	270
07 IP 09 EISF	7X2X0.88	0.88	19.00	21.80	500
12 IP 09 EISF	12X2X0.88	0.88	24.50	28.10	820
19 IP 09 EISF	19X2X0.88	0.88	30.30	34.80	1120
27 IP 09 EISF	27X2X0.88	0.88	35.80	41.10	1700
01 IP 15 EISF	1X2X1.50	1.50	7.20	8.40	90
07 IT 05 EISF	7X3X0.50	0.50	16.90	19.40	425
12 IT 05 EISF	12X3X0.50	0.50	21.50	24.60	695
07 IT 09 EISF	7X3X0.88	0.88	20.60	23.70	655

12 IT 09 EISF	12X3X0.88	0.88	26.50	30.40	1045
01 IT 15 EISF	1X3X1.50	1.50	7.50	8.80	110