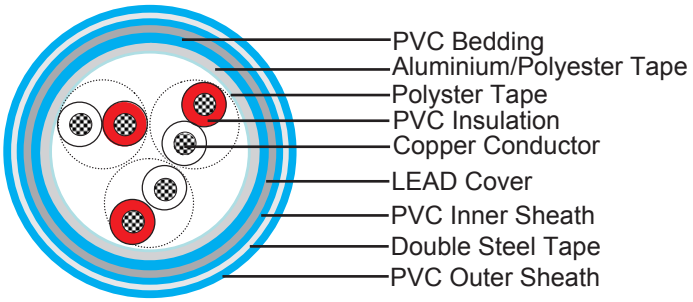
NF M 87-202 EGPF

Applications:

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.

Construction:



Conductor:

Solid or Stranded copper conductor

Insulation:

PVC (70 mm maximum pair length)

Binder tape:

Polyster tape

Collective Screen:

Aluminium/polyester tape

Bedding: PVC

LEAD Cover

Armouring:

Double Steel Tap

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 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:

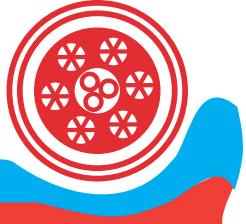
Conductor Size	Ohm/km at +20°C
1/0.80mm(0.50 sqmm)	37.50
7/0.40mm(0.88 sqmm)	21.40
7/0.53mm(1.50 sqmm)	12.50

Capacitance between cond. (nf/km):

0.5 sqmm ≤ 145

0.88 sqmm ≤ 160

1.50 sqmm ≤ 180



French Standard (NF M 87-202)

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.	
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

French Standard (NF M 87-202)

NF M 87-202	Number of beams x cross section	Cond. mm^2	Outer Diameter(mm)		Weight (kg/km)
			Min.	Max.	
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	2071
19 IT 09 EGPF	19X3X0.88	0.88	33.60	37.00	2821
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