



250 V SCREENED INSTRUMENTATION CABLES NF M 87-202

Maximum conductor temperature: 70°C



- 1 Conductor**
Bare copper, solid or stranded according to versions
- 2 Insulation**
Special PVC
- 3 Individual screen (if applicable)**
ALU/polyester tape + stranded tinned copper drain-wire (7x0,2mmØ)
- 4 sheath (if applicable)**
PVC - color: grey
- 5 General screen**
ALU/polyester tape + stranded tinned copper drain-wire (7x0,2mmØ)
- 6 Inner sheath (if applicable)**
PVC - RH (if applicable)
- 7 Tightness sheath (if applicable)**
Lead cover
- 8 Bedding (if applicable)**
Paraffined crepe papers
- 9 Mechanical protection (if applicable)**
Double steel tape
- 10 Outer sheath**
PVC - RH (if applicable) color: blue or grey

- **Nominal voltage:** 250 V
- **Core identification**

Colors	Natural	Red	Blue	Yellow
1 pair	X	X		
1 triple	X	X	X	
1 quad	X	X	X	X

 -20 ; +60 °C	 Good	 Good	 Good	FLAME RETARDANT IEC 60332-1 EN 50265-2-1 NF C 32-070-C2
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• **Type / codification**

- **5 series of 2 letter-digit :**

- 1st serie: number of pairs, triples or quads / 01 to 27
- 2nd serie: lay up in pair (IP), triple (IT), quads (IQ)

- 3rd serie: core section 05 (0,5mm²) or 09 (0,88mm²)
- 4th serie: overall screen (EG), or individual + overall screen (EI)
- 5th serie: mechanical protection: without armor (SF), with armor (FA), with lead+armor (PF)

NF M 87-202	diamètre extérieur outer diameter (mm)		Masse Weight (kg/km)
	mini	maxi	
01 IP 09 EGSF	6.1	7.2	65
01 IP 09 EGFA	9.1	10.5	160
01 IP 09 EGPF	11.7	13.4	500
01 IT 09 EGSF	6.4	7.5	80
01 IT 09 EGFA	9.4	10.8	175
01 IT 15 EGFA	10.5	12.0	220
01 IT 09 EGPF	12.0	13.7	530
03 IP 05 EGSF	8.0	9.3	95
03 IP 05 EGFA	10.9	12.5	215
03 IP 05 EGPF	13.7	15.7	635
07 IP 05 EGSF	10.5	12.1	160
07 IP 05 EGFA	13.6	15.6	320
07 IP 05 EGPF	16.3	18.7	840
12 IP 05 EGSF	13.4	15.4	255
12 IP 05 EGFA	16.6	19.1	465
12 IP 05 EGPF	19.4	22.2	1160
19 IP 05 EGSF	16.6	19.0	380
19 IP 05 EGFA	20.0	22.9	640
19 IP 05 EGPF	22.9	26.3	1550
27 IP 05 EGSF	19.2	22.0	510
27 IP 05 EGFA	22.6	25.9	610
27 IP 05 EGPF	25.9	29.8	1855

NF M 87-202	diamètre extérieur outer diameter (mm)		Masse Weight (kg/km)
	mini	maxi	
01 IQ 09 EGSF	7.0	8.2	90
01 IQ 09 EGFA	10.0	11.4	195
01 IQ 09 EGPF	12.7	14.6	575
03 IP 09 EGSF	10.5	12.0	150
03 IP 09 EGFA	13.5	15.5	310
03 IP 09 EGPF	16.2	18.6	825
07 IP 09 EGSF	14.0	16.0	280
07 IP 09 EGFA	17.2	19.7	475
07 IP 09 EGPF	19.9	22.9	1205
12 IP 09 EGSF	17.9	20.5	440
12 IP 09 EGFA	21.3	24.4	720
12 IP 09 EGPF	24.2	27.8	1740
19 IP 09 EGSF	22.0	25.3	665
19 IP 09 EGFA	25.7	29.4	1000
19 IP 09 EGPF	28.8	33.0	2300
27 IP 09 EGSF	25.8	29.6	880
27 IP 09 EGFA	29.6	34.0	1300
27 IP 09 EGPF	33.0	37.8	2910
07 IT 05 EGSF	12.0	13.8	210
12 IT 05 EGSF	15.1	17.4	355



NF M 87-202	Outer diameter (mm)		Masse Weight (kg/km)
	mini	maxi	
03 IP 05 EISF	11.1	12.8	180
03 IP 05 EIFA	14.2	16.2	355
03 IP 05 EIPF	17.1	19.6	950
07 IP 05 EISF	15.4	17.7	335
07 IP 05 EIFA	18.6	21.4	570
07 IP 05 EIPF	21.8	25.0	1450
12 IP 05 EISF	19.8	22.8	545
12 IP 05 EIFA	23.3	26.7	850
12 IP 05 EIPF	26.6	30.5	2025
19 IP 05 EISF	24.5	28.1	820
19 IP 05 EIFA	28.1	32.3	1210
19 IP 05 EIPF	31.6	36.3	2745
27 IP 05 EISF	28.9	33.2	1135
27 IP 05 EIFA	32.8	37.6	1600
27 IP 05 EIPF	36.5	41.9	3400
07 IT 05 EISF	16.9	19.4	425
07 IT 05 EIFA	20.3	23.3	690
12 IT 09 EISF	21.4	24.5	680
12 IT 09 EIFA	25.0	28.7	1025

NF M 87-202	Outer diameter (mm)		Masse Weight (kg/km)
	maxi	mini	
03 IP 09 EISF	13.5	15.5	270
03 IP 09 EIFA	16.7	19.2	470
03 IP 09 EIPF	19.5	22.3	1170
07 IP 09 EISF	19.0	21.8	500
07 IP 09 EIFA	22.4	25.7	800
07 IP 09 EIPF	25.4	29.1	1810
12 IP 09 EISF	24.5	28.1	820
12 IP 09 EIFA	28.1	32.3	1185
12 IP 09 EIPF	31.6	36.3	2745
19 IP 09 EISF	30.3	34.8	1120
19 IP 09 EIFA	34.1	39.1	1720
19 IP 09 EIPF	37.8	43.4	3770
27 IP 09 EISF	35.8	41.1	1700
27 IP 09 EIFA	39.8	45.7	2285
27 IP 09 EIPF	43.9	50.4	4910
01 IP 15 EISF	7.2	8.4	90
01 IP 15 EIFA	10.2	11.7	200
01 IT 15 EISF	7.5	8.8	110
01 IT 15 EIFA	10.5	12.0	220

Serie	Section / construction mm ² / n x mm	Test voltage	Max. linear resistance at 20°C	Linear capacity core/core
05	0,50 / 1 x 0,80	2000 V	37,5 Ω/km	≤ 145 ηF/km
09	0,88 / 7 x 0,40	2000 V	21,4 Ω/km	≤ 160 ηF/km
15	1,37 / 7 x 0,50	2000 V	12,1 Ω/km	≤ 150 ηF/km