

NF M 87 - 202 EGFA

Instrumentation and control cable, 500 V
+90 °C service temperature, collective screen, double steel tape armored, fire retardant, sunlight and oil resistant
NF M 87 - 202

Application

Instrumentation cables with double steel tape armoring are used for the transmission of AC or DC analogue signals in the papermaking, chemical and petrochemical industries. They are well adapted to underground use in industrial applications where an additional mechanical protection is required.

Construction



- | | |
|-----------------------|--|
| 1. Conductor: | Possible conductor constructions:
Copper conductor, solid (class 1)
Copper conductor, stranded (class 2)
Copper conductor, flexible (class 5) |
| 2. Insulation: | PVC 90 °C |
| 3. Identification: | Pairs (IP) – white, red numbered
Triples (IT) – white, red, blue numbered
Quad (IQ) - white, red, blue, yellow numbered |
| 4. Separator: | 1 Layer of plastic tape (optional) |
| 5. Collective screen: | Laminated Alu/PETP tape + tinned copper drain wire |
| 6. Inner sheath: | PVC |
| 7. Armoring: | Double steel tape |
| 8. Outer sheath: | PVC, light blue or grey (other colors on request) |

Technical information

Operating voltage		500 V
Test voltage	core-core	1500 V
	core-screen	1000 V
Max. permissible temperature at conductor		90 °C
Min. operating temperature	fixed installation	-30 °C
Installation temperature		-5 °C to 50 °C
Min. bending radius mm	fixed installation	15 x outer diameter in mm
Safety parameters		
Flame propagation	single cable	IEC 60332-1
	bunched cables	IEC 60332-3-24
Additional parameters		
UV resistance		UL1581 section1200
Oil resistance		NF M 87 - 202 Annex A & ICEA S-73-532 (4h, 70 °C)
Hydrocarbon resistance		NF M 87 - 202

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.