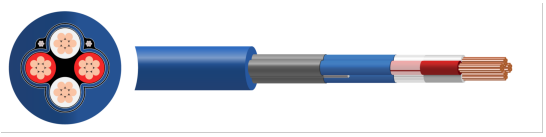
NF M87-202 EISF Individually and Collectively Screened, Unarmoured, PVC Instrumentation Cable



Description

NF M87-202 is a French Standard that specifies requirements for both armoured and unarmoured instrumentation cables used for interconnecting electrical circuits and transmitting communication signals within petroleum and petrochemical process plants.

NF M87-202 instrumentation cables are available in core, pair, and multi-pair constructions, with both armoured and unarmoured options. Armoured variants incorporate double steel tape armouring to provide enhanced mechanical protection and are suitable for direct burial installations. The cables feature PVC insulation and a specially formulated PVC outer sheath, providing flame retardancy as well as resistance to ultraviolet radiation, mineral oils, and hydrocarbons.

All NF M87-202 instrumentation cables are screened to ensure signal integrity, using collectively applied aluminium/polyester (Al/PET) tape. EISF and EIFA cable types are collectively and individually screened pairs

These cables are designed for safe extra-low voltage applications and are suitable for the transmission of AC and DC analogue signals. They exhibit resistance to aliphatic and aromatic hydrocarbons and are rated for a nominal voltage of 300/500 V.

Key Features

Voltage Rating
300/500 Volts

Minimum Bending Radius
10 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Installation Temperature: -5°C to +50°C
Operating Temperature: -30°C +90°C

Core Colours

Pairs: White, Red

Triples: White, Red, Blue

Quad: White, Red, Blue, Yellow

Standards

- NF EN 60228
- NF M 87-202
- BS EN/IEC 60332-3-24
- BS EN/IEC 60332-1

Construction

- **Conductor**: Class 1 solid copper conductor
  Class 2 stranded copper conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **Binder Tape**: Polyester Tape (PET) Individually Wrapped
- **Screen**: Aluminium/Polyester Tape (AL/PET) Individually Screened
- **Individual Sheath**: Polyvinyl Chloride (PVC)
- **Overall Binder Tape**: Polyester Tape (PET)
- **Overall Tape Screen**: Aluminium/Polyester Tape Screen (AL/PET)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Blue

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

NF M87-202 EISF Individually and Collectively Screened, Unarmoured, PVC Instrumentation Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	No Of Pairs	Overall Diameter(mm)
NFM87-202 EISF ICAT1X2X0/5	0.5	2	1	6.1
NFM87-202 EISF ICAT1X3X0/5	0.5	3	1 Triple	6.3
NFM87-202 EISF ICAT2X2X0/5	0.5	4	1 Quad	6.7
NFM87-202 EISF ICAT3X3X0/5	0.5	9	3 Triple	16.4
NFM87-202 EISF ICAT7X2X0/5	0.5	14	7	15.4
NFM87-202 EISF ICAT7X3X0/5	0.5	21	7 Triple	16.0
NFM87-202 EISF ICAT12X2X0/5	0.5	24	12	20.7
NFM87-202 EISF ICAT12X3X0/5	0.5	36	12 Triple	22.0
NFM87-202 EISF ICAT19X2X0/5	0.5	38	19	25.0
NFM87-202 EISF ICAT27X2X0/5	0.5	54	27	30.0
NFM87-202 EISF ICAT19X3X0/5	0.5	57	19 Triple	26.0
NFM87-202 EISF ICAT27X3X0/5	0.5	81	27 Triple	31.5
NFM87-202 EISF ICAT1X2X1/5	1.5	2	1	7.4
NFM87-202 EISF ICAT1X3X1/5	1.5	3	1 Triple	8.7
NFM87-202 EISF ICAT2X2X1/5	1.5	4	1 Quad	9.4
NFM87-202 EISF ICAT3X3X1/5	1.5	9	3 Triple	17.2
NFM87-202 EISF ICAT7X2X1/5	1.5	14	7	22.4
NFM87-202 EISF ICAT7X3X1/5	1.5	21	7 Triple	24.0
NFM87-202 EISF ICAT12X2X1/5	1.5	24	12	30.2
NFM87-202 EISF ICAT12X3X1/5	1.5	36	12 Triple	32.0
NFM87-202 EISF ICAT19X2X1/5	1.5	38	19	35.0
NFM87-202 EISF ICAT27X2X1/5	1.5	54	27	43.5
NFM87-202 EISF ICAT19X3X1/5	1.5	57	19 Triple	38.0
NFM87-202 EISF ICAT27X3X1/5	1.5	81	27 Triple	46.0

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