



NF M87-202 EIPF Individually Screened, Lead Covered, Double Steel Tape Armoured Cable



Eland Product Group: I

APPLICATION

These cables are designed for safe use in petroleum and petrochemical units particularly for the transmission of AC or DC analogue signals. Suitable for aliphatic hydrocarbons resistance and direct burial applications, with a flame retardant sunlight, mineral oil and hydrocarbon resistant sheath.

CHARACTERISTICS

Voltage Rating (Uo/U)
300/500V

Temperature Rating
+5°C to +90°C

CONSTRUCTION

Conductor

Class 1 solid copper conductor
Class 2 stranded copper conductor

Insulation

PVC (Polyvinyl Chloride)

Individual Screen

AL/PET (Aluminium/Polyester Tape)

Individual Sheath

PVC (Polyvinyl Chloride)

Overall Binder Tape

PET (Polyester Tape)

Collective Screen

AL/PET (Aluminium/Polyester Tape)

Bedding

PVC (Polyvinyl Chloride)

Cover

Lead cover over the bedding layer

Inner Sheath

PVC (Polyvinyl Chloride)

Armour

Double steel tape

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Pairs: ○ White and ● Red numbered

Triples: ● Blue ○ White and ● Red numbered

Outer Sheath Colour

● Light Blue

STANDARDS

NF M 87 - 202, UTE C 32-014

Flame Retardant according to: IEC/EN 60332-1-2,
IEC/EN 60332-3-24

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm
IEIPF020005	2P	0.5	19.8
IEIPF020088	2P	0.88	22.8
IEIPF02015	2P	1.5	25.6
IEIPF02T0005	2T	0.5	20.3
IEIPF02T0088	2T	0.88	23.7
IEIPF02T015	2T	1.5	27.5
IEIPF030005	3P	0.5	20.5
IEIPF030088	3P	0.88	23.9
IEIPF03015	3P	1.5	27.6
IEIPF03T0005	3T	0.5	21.4
IEIPF03T0088	3T	0.88	25
IEIPF03T015	3T	1.5	28.7
IEIPF070005	7P	0.5	25.2
IEIPF070088	7P	0.88	30.7
IEIPF07015	7P	1.5	34
IEIPF07T0005	7T	0.5	27.3
IEIPF07T0088	7T	0.88	32.1
IEIPF07T015	7T	1.5	35.2
IEIPF120005	12P	0.5	32.2
IEIPF120088	12P	0.88	38
IEIPF12015	12P	1.5	42.4
IEIPF12T0005	12T	0.5	33.4
IEIPF12T0088	12T	0.88	40
IEIPF12T015	12T	1.5	44.3
IEIPF190005	19P	0.5	36.3
IEIPF190088	19P	0.88	43.4
IEIPF19015	19P	1.5	48.3
IEIPF19T0005	19T	0.5	37.5
IEIPF19T0088	19T	0.88	45.3
IEIPF19T015	19T	1.5	50.3
IEIPF270005	27P	0.5	41.9
IEIPF270088	27P	0.88	50.3
IEIPF27015	27P	1.5	56.1
IEIPF27T0005	27T	0.5	43.4
IEIPF27T0088	27T	0.88	52.6
IEIPF27T015	27T	1.5	58.7

P = Pairs

T = Triple



CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR CLASS	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	1	37.9
0.88	2	21.6
1.5	1	12.5

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR CLASS	MAXIMUM MUTUAL CAPACITANCE pF/m	
		Between Conductors	Between Conductors and Screens
0.5	1	160	230
0.88	2	145	210
1.5	1	85	180

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.