

# NF M 87 - 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.

### CONSTRUCTION

#### Phase Conductor

Class 1 solid copper conductor according to UTE C 32-014  
Class 2 stranded copper conductor according to UTE C 32-014

#### Insulation

PVC (Polyvinyl Chloride) according to NF C 32-020

#### Individual Screen

AL/PET (Aluminium/Polyester Tape)

#### Individual Sheath

PVC (Polyvinyl Chloride) according to NF C 32-020

#### Overall Binder Tape

PET (Polyester Tape)

#### Collective Screen

AL/PET (Aluminium/Polyester Tape)

#### Bedding

PVC (Polyvinyl Chloride) according to NF C 32-020

#### Cover

Lead cover over the bedding layer

#### Inner Sheath

PVC (Polyvinyl Chloride) according to NF C 32-020

#### Armour

Double steel tape

#### Outer Sheath

PVC (Polyvinyl Chloride) according to NF C 32-020

### CABLE STANDARDS

NF M 87-202, UTE C 32-014, NF C 32-020,  
BS EN/IEC 60331-2-1, BS EN/IEC 60332-3-24



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

### CHARACTERISTICS

#### Voltage Rating (U<sub>o</sub>/U)

300/500V

#### Temperature Rating

+5°C to +90°C

#### Core Identification

Pairs: ○ White and ● Red numbered

Triples: ● Blue ○ White and ● Red numbered

#### Outer Sheath Colour

● Light Blue

## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	CONDUCTOR CLASS	MAXIMUM DC RESISANCE 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 <sup>2</sup>	CONDUCTOR CLASS	MAXIMUM MUTUAL CAPACITANCE	
		Between Conductors pF/m	Between Conductors and Screens pF/m
0.5	1	160	230
0.88	2	145	210
1.5	1	85	180