



# NF M 87 - 202 EGFA

## Collectively Screened, 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 applications 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 +50°C

**Operating Temperature**  
+90°C

### CONSTRUCTION

#### Conductor

Class 1 solid copper conductor  
Class 2 stranded copper conductor

#### Insulation

PVC (Polyvinyl Chloride)

#### Binder Tape

PET (Polyester Tape)

#### Collective Screen

AL/PET (Aluminium/Polyester Tape)

#### Inner Sheath

PVC (Polyvinyl Chloride)

#### Armour

Double steel tape

#### Sheath

PVC (Polyvinyl Chloride)

#### Core Identification

Pairs: ○ White ● Red numbered  
Triples: ● Blue ○ White and ● Red numbered

#### 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 <sup>2</sup>	NOMINAL OVERALL DIAMETER mm
IEGFA010005	1P	0.5	7.9
IEGFA010088	1P	0.88	9.2
IEGFA01015	1P	1.5	10.1
IEGFA01T0005	1T	0.5	8.2
IEGFA01T0088	1T	0.88	9.6
IEGFA01T015	1T	1.5	10.6
IEGFA020005	2P(Q)	0.5	8.6
IEGFA020088	2P(Q)	0.88	10.1
IEGFA02015	2P(Q)	1.5	11.2
IEGFA02T0005	2T	0.5	11.4
IEGFA02T0088	2T	0.88	14.2
IEGFA02T015	2T	1.5	16.2
IEGFA030005	3P	0.5	11.4
IEGFA030088	3P	0.88	14.2
IEGFA03015	3P	1.5	16.1
IEGFA03T0005	3T	0.5	11.9
IEGFA03T0088	3T	0.88	14.9
IEGFA03T015	3T	1.5	17.8
IEGFA070005	7P	0.5	13.9
IEGFA070088	7P	0.88	18.6
IEGFA07015	7P	1.5	21.3
IEGFA07T0005	7T	0.5	14.6
IEGFA07T0088	7T	0.88	19.6
IEGFA07T015	7T	1.5	23
IEGFA120005	12P	0.5	18.2
IEGFA120088	12P	0.88	24
IEGFA12015	12P	1.5	28.2
IEGFA12T0005	12T	0.5	19.2
IEGFA12T0088	12T	0.88	25.4
IEGFA12T015	12T	1.5	30.3
IEGFA190005	19P	0.5	20.7
IEGFA190088	19P	0.88	28
IEGFA19015	19P	1.5	32.9
IEGFA19T0005	19T	0.5	22.3
IEGFA19T0088	19T	0.88	30.1
IEGFA19T015	19T	1.5	35
IEGFA270005	27P	0.5	24.6
IEGFA270088	27P	0.88	33.4
IEGFA27015	27P	1.5	39
IEGFA27T0005	27T	0.5	26.5
IEGFA27T0088	27T	0.88	35.5
IEGFA27T015	27T	1.5	41.5

P = Pairs

Q = Quad

T = Triple



## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	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.