



NF M87-202 EIFA Individually and 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 (U₀/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)

Individual Binder Tape

PET (Polyester Tape)

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)

Inner Sheath

PVC (Polyvinyl Chloride)

Armour

Double steel tape

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Light Blue

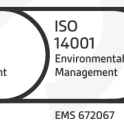
STANDARDS

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
IEIFA010005	1P	0.5	9.3
IEIFA010088	1P	0.88	10.6
IEIFA01015	1P	1.5	11.5
IEIFA01T0005	1T	0.5	9.5
IEIFA01T0088	1T	0.88	10.9
IEIFA01T015	1T	1.5	11.9
IEIFA020005	2P(Q)	0.5	9.9
IEIFA020088	2P(Q)	0.88	11.5
IEIFA02015	2P(Q)	1.5	12.6
IEIFA02T0005	2T	0.5	14.1
IEIFA02T0088	2T	0.88	17.7
IEIFA02T015	2T	1.5	19.7
IEIFA030005	3P	0.5	14.3
IEIFA030088	3P	0.88	17.9
IEIFA03015	3P	1.5	19.8
IEIFA03T0005	3T	0.5	14.8
IEIFA03T0088	3T	0.88	18.6
IEIFA03T015	3T	1.5	20.7
IEIFA070005	7P	0.5	18.8
IEIFA070088	7P	0.88	23.1
IEIFA07015	7P	1.5	25.8
IEIFA07T0005	7T	0.5	19.5
IEIFA07T0088	7T	0.88	24.1
IEIFA07T015	7T	1.5	27.4
IEIFA120005	12P	0.5	24.2
IEIFA120088	12P	0.88	30.4
IEIFA12015	12P	1.5	34.2
IEIFA12T0005	12T	0.5	25.2
IEIFA12T0088	12T	0.88	31.8
IEIFA12T015	12T	1.5	35.9
IEIFA190005	19P	0.5	28.3
IEIFA190088	19P	0.88	35.2
IEIFA19015	19P	1.5	39.7
IEIFA19T0005	19T	0.5	29.9
IEIFA19T0088	19T	0.88	36.9
IEIFA19T015	19T	1.5	41.7
IEIFA270005	27P	0.5	33.7
IEIFA270088	27P	0.88	41.7
IEIFA27015	27P	1.5	47.3
IEIFA27T0005	27T	0.5	35.2
IEIFA27T0088	27T	0.88	43.8
IEIFA27T015	27T	1.5	49.8

P = Pairs

Q = Quad

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.