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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability

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, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm^2	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

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CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm²	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 mm²	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