

ELAND[®]
CABLES

NF M 87 - 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.

CABLE STANDARDS

NF M 87-202, UTE C 32-014, NF C 32-020,
BS EN/IEC 60332-1, 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.

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 Binder Tape

PET (Polyester Tape)

Individual Screen

AL/PET (Aluminium/Polyester Tape)

Individual Sheath

PVC (Polyvinyl Chloride) to NF C 32-020

Overall Binder Tape

PET (Polyester Tape)

Collective Screen

AL/PET (Aluminium/Polyester Tape)

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

CHARACTERISTICS

Voltage Rating (U_0/U)

300/500V

Temperature Rating

+5°C to +50°C

Operating Temperature

+90°C

Outer Sheath Colour

● Light Blue

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 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 ²	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