

NF M 87 - 202 EGSF

Collectively Screened, Unarmoured, LSZH 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.

CONSTRUCTION

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 C32-020

Binder Tape

PET (Polyester Tape)

Collective Screen

AL/PET (Aluminium/Polyester Tape)

Sheath

PVC (Polyvinyl Chloride) according to NF C32-020

CABLE STANDARDS

NF M 87-202, UTE C 32-014, NF C 32-020,
BS EN/IEC 60331-21, 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.

CHARACTERISTICS

Voltage Rating (U_o/U)

300/500V

Installation Temperature Range

+5°C to +50°C

Operating Temperature

+90°C

Core Identification

Pairs: ○ White and ● Red numbered

Triples: ● Blue ○ White and ● Red numbered

Sheath Colour

● Light Blue

DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm
IEGSF010005	1P	0.5	4.7
IEGSF010088	1P	0.88	6
IEGSF01015	1P	1.5	6.9
IEGSF01T0005	1T	0.5	5
IEGSF01T0088	1T	0.88	6.4
IEGSF01T015	1T	1.5	7.4
IEGSF020005	2P(Q)	0.5	5.4
IEGSF020088	2P(Q)	0.88	6.9
IEGSF02015	2P(Q)	1.5	8
IEGSF02T0005	2T	0.5	8.2
IEGSF02T0088	2T	0.88	11
IEGSF02T015	2T	1.5	13
IEGSF030005	3P	0.5	8.2
IEGSF030088	3P	0.88	11
IEGSF03015	3P	1.5	12.9
IEGSF03T0005	3T	0.5	8.7
IEGSF03T0088	3T	0.88	11.7
IEGSF03T015	3T	1.5	14.2
IEGSF070005	7P	0.5	10.7
IEGSF070088	7P	0.88	15
IEGSF07015	7P	1.5	17.7
IEGSF07T0005	7T	0.5	11.4
IEGSF07T0088	7T	0.88	16
IEGSF07T015	7T	1.5	19.4
IEGSF120005	12P	0.5	14.6
IEGSF120088	12P	0.88	20.4
IEGSF12015	12P	1.5	24.6
IEGSF12T0005	12T	0.5	15.6
IEGSF12T0088	12T	0.88	21.8
IEGSF12T015	12T	1.5	26.9
IEGSF190005	19P	0.5	17.1
IEGSF190088	19P	0.88	24.4
IEGSF19015	19P	1.5	28.9
IEGSF19T0005	19T	0.5	18.7
IEGSF19T0088	19T	0.88	26.1
IEGSF19T015	19T	1.5	31
IEGSF270005	27P	0.5	21
IEGSF270088	27P	0.88	29.4
IEGSF27015	27P	1.5	35
IEGSF27T0005	27T	0.5	22.9
IEGSF27T0088	27T	0.88	31.5
IEGSF27T015	27T	1.5	37.5

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

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.