



# NF M87-202 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.

### CHARACTERISTICS

**Voltage Rating (U<sub>0</sub>/U)**  
300/500V

**Temperature Range**  
Installation: 5°C to +50°C  
Operation: +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)

**Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
Pairs: ○ White and ● Red numbered  
Triples: ● Blue ○ White and ● Red numbered

**Outer Sheath Colour**  
● Light Blue

### STANDARDS

NF M 87 - 202, UTE C 32-014, EN 60331-21

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.



8578



F5 672069



EMS 672067



OHS 672066

### 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™.



KM 654267





## DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIPLE	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <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.