



NF M87-202 EGPF Collectively Screened, Lead Covered 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 +90°C

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

Binder Tape

PET (Polyester tape)

Collective Screen

AL/PET (Aluminium/Polyester Tape)

Bedding

PVC (Polyvinyl Chloride) according to NF C 32-020

Cover

Lead cover over the bedding layer

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

Core Identification

Pairs: ○ White and ● Red numbered
Triples: ● Blue ○ White and ● Red numbered

Outer Sheath Colour

● Light Blue

CABLE STANDARDS

NF M 87-202, UTE C 32-014, NF C 32-020,
Flame Retardant 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
IEGPF010005	1P	0.5	13.7
IEGPF010088	1P	0.88	14.2
IEGPF01015	1P	1.5	15.1
IEGPF01T0005	1T	0.5	13.7
IEGPF01T0088	1T	0.88	14.6
IEGPF01T015	1T	1.5	16.6
IEGPF020005	2P(Q)	0.5	13.7
IEGPF020088	2P(Q)	0.88	19.5
IEGPF02015	2P(Q)	1.5	21.5
IEGPF02T0005	2T	0.5	17.4
IEGPF02T0088	2T	0.88	20.4
IEGPF02T015	2T	1.5	22.4
IEGPF030005	3P	0.5	17.4
IEGPF030088	3P	0.88	20.4
IEGPF03015	3P	1.5	22.3
IEGPF03T0005	3T	0.5	17.9
IEGPF03T0088	3T	0.88	21.1
IEGPF03T015	3T	1.5	24.2
IEGPF070005	7P	0.5	20.1
IEGPF070088	7P	0.88	25
IEGPF07015	7P	1.5	28.9
IEGPF07T0005	7T	0.5	20.8
IEGPF07T0088	7T	0.88	26
IEGPF07T015	7T	1.5	30.6
IEGPF120005	12P	0.5	24.6
IEGPF120088	12P	0.88	31.6
IEGPF12015	12P	1.5	36
IEGPF12T0005	12T	0.5	25.6
IEGPF12T0088	12T	0.88	33.2
IEGPF12T015	12T	1.5	38.3
IEGPF190005	19P	0.5	28.1
IEGPF190088	19P	0.88	35.8
IEGPF19015	19P	1.5	41.1
IEGPF19T0005	19T	0.5	29.9
IEGPF19T0088	19T	0.88	38.1
IEGPF19T015	19T	1.5	43.2
IEGPF270005	27P	0.5	32.2
IEGPF270088	27P	0.88	41.6
IEGPF27015	27P	1.5	47.4
IEGPF27T0005	27T	0.5	34.3
IEGPF27T0088	27T	0.88	43.7
IEGPF27T015	27T	1.5	50.1

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.