



Eland Product Group: B6H

APPLICATION

Connection for portable electrical equipment and machinery, including those used in hazardous areas, for reeling / nonreeling applications.

CHARACTERISTICS

Voltage Rating U_o/U
640/1100V

Temperature Rating
-25°C to +90°C

Minimum Bending Radius
6 x Overall Diameter

CONSTRUCTION

Conductor
Class 5 flexible stranded tinned annealed Copper

Insulation
EPR (Ethylene Propylene Rubber) thermosetting compound

Braid
Nylon /Tinned copper wires

Pilot Core

Lay
Three tinned copper/nylon braid screened power cores and one unscreened pilot core laid up in the right hand lay around rubber (RD1) filler centre

Inner Sheath
CR (Polychloroprene Rubber)

Reinforcement braid
Open nylon braid - minimum 16 strings

Outer Sheath
TPU (Thermoplastic Polyurethane)

Sheath Colour

- Black or
- Transparent with ● orange ● silver reflective tape under

STANDARDS

SANS 1520-1, SANS 1411-1, SANS 1411-3, ICEA S-75-381 Tab. 3-3

UV resistant
Ozone resistant
Sunlight resistant
Oil resistant

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 meets the requirements of 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.	POWER CORES					PILOT CORES CORES			MAXIMUM TENSION kN	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
	CONDUCTOR SIZE mm ²	MAXIMUM WIRE DIAMETER mm	CONDUCTOR DIAMETER mm	MAXIMUM SCREEN WIRE DIAMETER mm	SCREEN CROSS-SECTION mm ²	CONDUCTOR SIZE mm ²	MAXIMUM WIRE DIAMETER mm	CONDUCTOR DIAMETER mm			
B6H3095/3016	95	0.51	13.5	0.31	43	16	0.41	5.3	4.3	59.1	6340