

# FAA L-824 Type B Shielded 5kV Cable



Eland Product Group: F09

## APPLICATION

FAA L-824 Type B are used for interconnecting the transformers and the current regulator of airfield lighting systems in series circuits, suitable for fixed applications such as taxiways, runways, navigational aids, and obstruction lighting. The cables can be installed in conduit and direct burial.

## CHARACTERISTICS

**Voltage Rating**  
5kV

**Temperature Rating**  
Fixed: -40°C to +85°C

**Minimum Bending Radius**  
12x Overall Diameter

## CONSTRUCTION

**Conductor**  
Stranded bare or tinned copper conductor

**Insulation**  
EPR (Ethylene Propylene Rubber)

**Semi-Conductor**  
Helically applied semi-conducting tape

**Shield**  
Tinned copper tape

**Separator**  
Separation tape

**Sheath**  
CPE (Thermoplastic Chlorinated Polyethylene Elastomer)

**Sheath Colour**  
● Black

## DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup> /AWG	NUMBER OF STRAND	NOMINAL INSULATION THICKNESS mm	NOMINAL SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F0905KV010060BK	1	6 mm <sup>2</sup>	7	2.3	1.2	11.1	194
F0905KV018AWGBK	1	8 AWG	7	2.3	1.2	11.7	225

## STANDARDS

FAA L-824 Type B, ICEA S-93-639 / NEMA WC74

## 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™.

