

# FAA L-824 Type C Unshielded 5kV



Eland Product Group: F11

## APPLICATION

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

## CHARACTERISTICS

**Voltage Rating**  
5kV

**Temperature Rating**  
Fixed: -40°C to +90°C

**Minimum Bending Radius**  
5x Overall Diameter

## CONSTRUCTION

**Conductor**  
Stranded bare copper to ASTM B3 and ASTM B8

**Separator**  
Semi-conductive extruded layer or semi-conductive tape

**Insulation**  
XLPE (Cross-linked Polyethylene)

**Sheath Colour**  
● Black

## DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA AWG	NUMBER OF STRAND	NOMINAL INSULATION THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F1105KV018AWGBK	1	8	7/19	2.79	9.65	132
F1105KV016AWGBK	1	6	7/19	2.79	10.67	186
F1105KV014AWGBK	1	4	7/19	2.79	11.68	268

## STANDARDS

FAA L-824 Type C, ICEA S-96-659/NEWA WC71, ASTM B3, ASTM B8

## 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 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™.

