

# FAA L-824 Type C Shielded 5kV



Eland Product Group: F12

## APPLICATION

FAAL-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, touchdown zones, land and hold short lighting systems, and can be installed in conduit, duct, aerial and direct burial.

## CHARACTERISTICS

**Voltage Rating**  
5kV

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

**Minimum Bending Radius**  
Static 10x Overall Diameter  
Dynamic 20x Overall Diameter

## CONSTRUCTION

**Conductor**  
Stranded bare or tinned copper

**Inner Semi-Conductor**  
Extruded semi-conducting compound

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

**Outer Semi-Conductor**  
Semi conducting tape or extruded

**Shield**  
Copper or brass tape(s). Tinned copper wire braid on request

**Sheath**  
PVC (Polyvinyl chloride) PE/XLPE on request

**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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F1205KV010060BK	1	6mm <sup>2</sup>	7/19	2.3	11.0	180
F1205KV018AWGBK	1	8	7/19	2.3	14.3	298
F1205KV016AWGBK	1	6	7/19	2.3	15.4	366
F1205KV014AWGBK	1	4	7/19	2.3	17.0	513

## STANDARDS

FAA AC 150 / 5345-7E, FAA L-824 Type C, ICEA S-93-639 / NEMA WC74, FAA AC150/5345-7F

## 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™.

