



# 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

## THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

