

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 ² / AWG	NUMBER OF STRAND	NOMINAL INSULATION THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
F1205KV010060BK	1	6mm ²	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

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™.

