FAA L-824 Type C Shielded 5kV

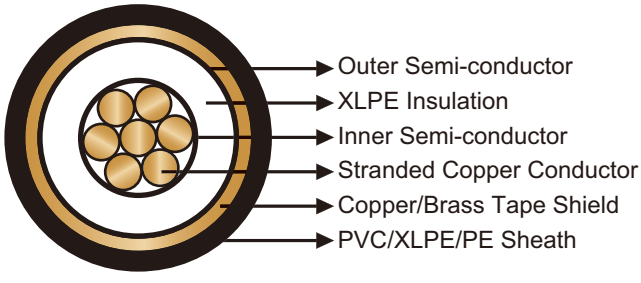
» Applications

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

» Standards

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

» Construction



Conductor: Stranded bare or tinned copper.
Inner Semi-Conductor: Extruded semi-conducting compound.
Insulation: XLPE.
Outer Semi-Conductor: Semi conducting tape or extruded.
Shield: Copper or brass tape(s). Tinned copper wire braid can be offered upon request.
Sheath: PVC. PE/XLPE can be offered upon request.

» Technical Data

Rated Voltage Uo/U (Um)	5kV
Maximum Conductor Temperature	90℃
Short Circuit Temperature	250℃
Operating Temperatures	-40℃~+90℃

Minimum Bending Radius	static: 10×OD; dynamic: 20×OD
Impacted Resistant	Yes
Weather Resistant	Yes

» Dimensions and Weight

Construction	No. of Strand	Nominal Insulation Thickness		Nominal Overall Diameter		Nominal Weight	
No. ×mm²/ AWG	-	mm	inches	mm	inches	kg/km	lbs/kft
1×6mm²	7/19	2.3	0.09	11.0	0.43	180	121
1×8	7/19	2.3	0.09	14.3	0.565	298	200
1×6	7/19	2.3	0.09	15.4	0.605	366	246
1×4	7/19	2.3	0.09	17.0	0.668	513	345