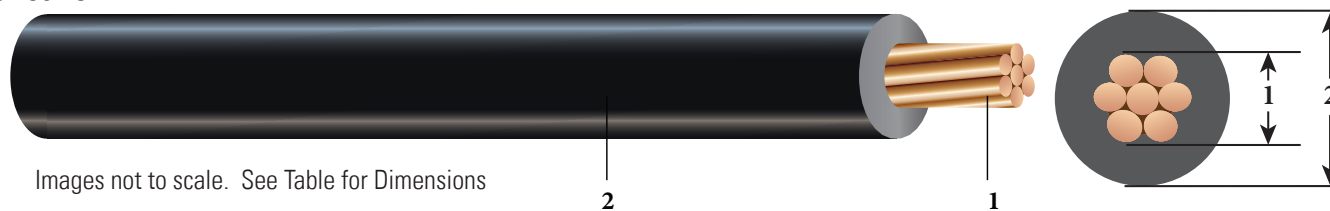


Airport Lighting Cable

5000 Volt Non-Shielded Airport Lighting Cable, Copper Conductor With Cross-Linked Polyethylene Insulation XLPE. Meets (FAA) specification L-824 C For Underground Electrical Cable for Airport Lighting Circuits



Images not to scale. See Table for Dimensions

Available in Colors:



CONSTRUCTION:

- Conductors:** Class B copper per ASTM B 3 and B8
- Insulation:** Cross-Linked Polyethylene XLPE

APPLICATIONS AND FEATURES:

Southwire's Airport Lighting Cable meets the requirements of (FAA) L-824 C underground electrical cable for airport lighting circuits (AC 150/5345-53D), (AC 150/5345-7F). Southwire's Airport Lighting Cable is available in sizes #8 AWG through #4 AWG 7 strands. The conductors are bare annealed copper class B and covered with an abrasion, moisture, and heat resistant Cross-Linked Polyethylene XLPE insulation. The 5KV non-shielded cable is available in Black, Red and Yellow colors. Southwire Airport Lighting Cable is primarily used for series lighting circuits for runways, control systems, and other multi-purpose installations. It can be used in direct burial, conduit, or raceways. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C for normal operation, 130°C for emergency and 250°C for short circuit conditions.

- Cable is manufactured by Southwire Company in either Starkville, MS or Douglas, GA USA
- Cable has a warranty of 1 year from date of installation or 2 years from date of shipment whichever comes first.

SPECIFICATIONS:

- ASTM B3 - Soft or annealed copper
- ASTM B8 - Concentric-lay-standard copper
- ICEA S-96-659 NEMA WC71 - Non-Shielded Power Cables rated 2001-5000 volts
- FAA L-824 C Specification Approved by (AC 150/5345-53D), (AC 150/5345-7F)

SAMPLE PRINT LEGEND:

SOUTHWIRE®_{xx}SIZE 5000 VOLTS FAA L-824, TYPE C

Stock Number	Catalog Number	Conductor		Insulation Thickness	Nominal OD (2)	Nominal Weight	DC Resistance @ 25°C	Reactance @ 60 Hz X_L	Min Bend Radius	Max Pull Tension
		Size	Diam. (1)							
		AWG	inches	mils	inches	lbs./MFT	Ω /MFT	Ω /MFT	inches	lbs.
551529	14723	8	0.142	110	0.375	90	0.652	0.030	3.00	132
551528	14724	6	0.178	110	0.415	127	0.411	0.028	3.32	210
551527	14726	4	0.225	110	0.460	182	0.258	0.029	3.68	334

All dimensions are nominal and subject to normal manufacturing tolerances



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com

Copyright © 2018 Southwire Company, LLC. All Rights Reserved



Southwire®

SPEC 46051_PSS DIVISION DATE: 05/03/2018 Rev 1.5.03M