



Airport Lighting & Control Cable

FAA L-824 Type C

Single Conductor | 8, 6, & 4 AWG | XLPE Insulation | 5 kV

Compliance

- ETL Certified L-824 Type C, 5 kV: FAA AC 150/5345-7F
- Intertek Certificate No. 71010731-001-2
- ICEA S-96-659 (NEMA WC 71)
- RoHS Compliant

Application

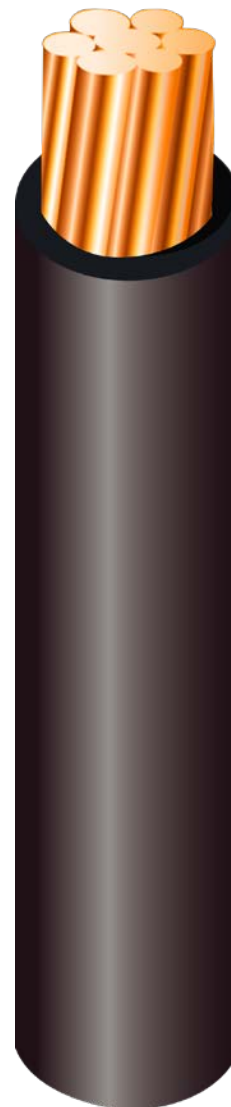
Our non-shielded Airport Lighting Cable (L-824 Type C) is insulated with a cross-linked polyethylene (XLPE) compound, providing excellent resistance to abrasion, crushing, chemicals, oil, and moisture, and is rated for use at 90°C in dry and wet conditions. It is suitable for use in series lighting circuits for airport runways and control systems. The cable can be direct buried or installed in conduit or raceway.

Construction

- Conductor: Single conductor, annealed stranded bare copper (7 strands) per ASTM B3; Class B stranding per ASTM B8
- Insulation: Cross-linked polyethylene (XLPE), 110 mils nominal thickness
- Color: Black with contrasting ink print on one side (Other colors and sequential footage markings available upon request)
- Print Legend: "ADVANCED DIGITAL CABLE, INC. 30X-ALC X AWG XLP 5kV NON-SHIELDED FAA L-824 TYPE -C INTERTEK CERT 71010731-001-2"

Specifications

- Voltage Rating: 5 kV
- Temperature Rating: -40°F to +194°F (-40°C to +90°C)
- Conductor Standards: ASTM B3, ASTM B8
- Max Conductor DC Resistance @ 68°F (20°C):
 - 8 AWG: 0.6535 Ω/1000 ft
 - 6 AWG: 0.4112 Ω/1000 ft
 - 4 AWG: 0.2585 Ω/1000 ft
- Maximum Pulling Tension (Straight Pull):
 - 8 AWG: 129 lbs
 - 6 AWG: 202 lbs
 - 4 AWG: 321 lbs
- Minimum Bend Radius:
 - 8 AWG: 3.75 in
 - 6 AWG: 4.00 in
 - 4 AWG: 4.50 in
- Estimated Material Weight:
 - 8 AWG: 90 lbs/1000 ft
 - 6 AWG: 125 lbs/1000 ft
 - 4 AWG: 181 lbs/1000 ft
- Nominal Diameter:
 - 8 AWG: 0.364 in
 - 6 AWG: 0.401 in
 - 4 AWG: 0.449 in



Ordering Codes

Part #	AWG	Strand	Insulation Thickness (mils)	Nominal Diameter (inches)	Approximate Net Weight lbs/1000 ft
TRC-L824C#8	8	7	110	0.364	90
TRC-L824C#6	6	7	110	0.401	125
TRC-L824C#4	4	7	110	0.449	181