



**NON-SHIELDED PRIMARY AGL CABLE**

**FAA L-824 Type C**

**24 orderable sizes**

<b>STANDARD</b> FAA L-824 Type C	<b>VOLTAGE CLASS</b> 5 kV	<b>TEMPERATURE CLASS</b> 90 °C wet or dry guide
<b>CONDUCTOR</b> Class B stranded bare copper conductor	<b>INSULATION / JACKET</b> XLPE insulation-only or colorable outer insulation system	

**Construction**

- 1** **Conductor** – Class B stranded bare copper conductor · 7 × Ø1.56 mm · IEC 60228 cl.2
- 2** **Insulation** – XLPE airport lighting insulation · Wall 110 mil / 2.8 mm nominal mm

**Size selection — all available cross-sections**

Cable reference	Airfield duty	Circuit type	FAA / reference type	Conductor size	Voltage class	Insulation wall	Max DC resistance at 20 °C	OD guide
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> black	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> blue	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> green	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV	Primary airfield	Runway, taxiway	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm	2.23 Ω/km	14.6 mm

Cable reference	Airfield duty	Circuit type	FAA / reference type	Conductor size	Voltage class	Insulation wall	Max DC resistance at 20 °C	OD guide
Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> grey	lighting	and approach series circuit				nominal		
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> orange	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> red	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> yellow	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 8 AWG / 8.37 mm <sup>2</sup> white	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	8 AWG / 8.37 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	2.23 Ω/km	14.6 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> black	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> blue	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single	Primary airfield lighting	Runway, taxiway and approach	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm

Cable reference	Airfield duty	Circuit type	FAA / reference type	Conductor size	Voltage class	Insulation wall	Max DC resistance at 20 °C	OD guide
conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> green		series circuit						
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> grey	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> orange	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> red	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> yellow	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 6 AWG / 13.3 mm <sup>2</sup> white	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	6 AWG / 13.3 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	1.40 Ω/km	15.7 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> black	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm

Cable reference	Airfield duty	Circuit type	FAA / reference type	Conductor size	Voltage class	Insulation wall	Max DC resistance at 20 °C	OD guide
shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> blue								
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> green	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> grey	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> orange	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> red	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> yellow	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm
FAA L-824 Type C unshielded 5 kV Primary airfield lighting Single conductor non-shielded XLPE 4 AWG / 21.2 mm <sup>2</sup> white	Primary airfield lighting	Runway, taxiway and approach series circuit	FAA L-824 Type C	4 AWG / 21.2 mm <sup>2</sup>	5 kV	110 mil / 2.8 mm nominal	0.882 Ω/km	17.2 mm