Draka

A brand of the Prysmian Group

FAA-L-824 Type B Airport Lighting Power Cable

Single conductor / 8, 6 and 4 AWG / 5000 volt / EPR insulation / CPE jacket

Applications

These are single conductor 5000 volt nonshielded power cables suitable for underground installation for use as airport lighting circuits per FAA L-824 Type B and listed in the FAA AC 150/5345-53 Appendix 3. They are rated for use at 90°C in dry conditions.

FAA L-824 cables are suitable for use in conduit, duct, aerial and direct burial installations up to 5000 volts. The CPE jacket offers additional protection from de-icing fluids.

Design Parameters

CONDUCTOR: Class C, soft drawn tinned copper stranded to ASTM B3 & B8. Class B and Bare copper options also available.

INSULATION: Ethylene propylene rubber (EPR) compound in accordance with the requirements of ICEA S-96-659/NEMA WC 71. Cable jacket available in solid colors.

JACKET: Chlorinated PolyEthylene (CPE) compound in accordance with ICEA S-96-659 / NEMA WC71.

Specifications and Ratings

- FAA Advisory Circular 150/5345-7F
- Airport Lighting Equipment Certification Program AC150/5345-53 appendix 3 in accordance with Underground Electrical Cable for Airport Lighting Circuits per spec L-824.
- ICEA S-96-659 / NEMA WC71

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Part Number	Conductor Size	Stranding	Insulation Thickness mils (mm)	Jacket Thickness mils (mm)	Approximate Cable O.D. in (mm)	Cable Weight Lbs/Mft (Kg/Km)
388278	8 AWG	19	90 (2.3)	30 (0.76)	0.420 (10.7)	117 (174)
388785	6 AWG	19	90 (2.3)	30 (0.76)	0.460 (11.7)	157 (234)
388287	4 AWG	19	90 (2.3)	30 (0.76)	0.505 (12.8)	217 (323)

Optional features include jacketed constructions: Ethylene propylene rubber (EPR) insulation with a PVC jacket.

AWG Minimum Bending Radius- Training 1.7in (4.3cm), Pulling 2.6in (6.6cm); 6AWG Minimum Bending Radius- Training 1.9in (4.8cm), Pulling 2.9in (7.4cm); 4AWG Minimum Bending Radius- Training 2.1in (5.3cm), Pulling 3.2in (8.1cm)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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