



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 / PVC 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 .

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

Draka's airport lighting cables have been certified as 100% Buy American by the FAA.

<https://www.faa.gov/airports/aip/>

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

Design Parameters

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

INSULATION: Ethylene Propylene Rubber (EPR) compound in accordance with ICEA S-96-659 / NEMA WC71.

JACKET: PolyVinyl Chloride (PVC) compound in accordance with 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)
388270	8 AWG	7	90 (2.3)	30 (0.76)	0.420 (10.7)	121 (180)
388271	6 AWG	7	90 (2.3)	30 (0.76)	0.460 (11.7)	160 (238)
388150	4 AWG	7	90 (2.3)	30 (0.76)	0.505 (12.8)	219 (326)

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

8AWG 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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