



Triple Rated MV-90, FAA Type C & CSA Type ASLC

Single conductor / 8, 6, and 4 AWG / XLPE insulation



Applications

FAA MV-90 CABLES are for medium voltage power transmission of up to 5000 volts. All Draka MV-90 cables are UL listed as intended for use in accordance with NEC Article 310-6 in dry locations up to 90°C. They may also be used as rugged cables in ducted lighting circuits (600 volt to 2400 volt).

The 4, 6 and 8 AWG conductor cables are FAA approved for airport lighting circuits in accordance with the FAA advisory circular 150/5345-7F.

Draka's airport lighting cables have been reviewed and confirmed to meet the FAA guidance for using US manufactured products.

Airport series lighting cables are suitable for use above and below ground in dry or wet locations in accordance with the Canadian Electrical Code, Part I, Section 74.

Design Parameters

CONDUCTOR: Soft drawn stranded bare copper per ASTM B3 and ASTM B8.

STRAND SHIELD: Extruded layer of semiconducting material.

INSULATION: Cross linked polyethylene (XLPE) compound in accordance with the requirements of UL 1072 and the National Electric Code.

Specifications and Ratings

- UL 1072 MV-90 DRY; 2,400 V
- ICEA S-96-659
- NEMA WC71
- FAA L-824 TYPE C; 5,000 V
- FAA (for 4, 6 & 8 AWG conductor cables)
- FAA Advisory Circular 150/5345-7F
- CSA C22.2 No. 179, Type ASLC; 5,000 V
- Low Temperature Rating: -35°C Cold Bend
- Sunlight Resistant



Part Number	Conductor Size and Stranding	Conductor Stranding	Average Insulation Thickness In (mm)	Nominal Cable O.D. In (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
389431	8 AWG	7	.110 (2.8)	.400 (10.2)	97 (144)
389432	6 AWG	7	.110 (2.8)	.440 (11.2)	132 (196)
389433	4 AWG	7	.110 (2.8)	.480 (12.2)	189 (281)

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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