

270 VDC GROUND POWER CABLE



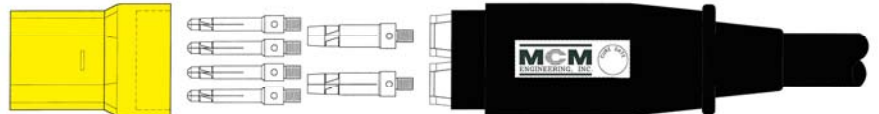
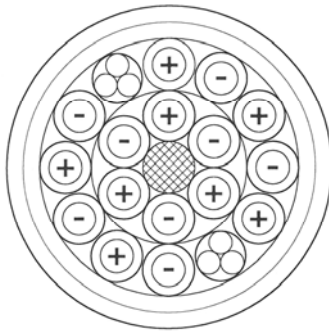
- ➔ Patented Head Design – Individually replaceable power and control pins. Replaceable nose and separate pins provides a more economical option for cable head repair.
- ➔ Endurance – Pressure extruded, reinforced neoprene outer cable jacket is highly resistant to abrasion, petroleum products and ozone/environmental deterioration. Superior dimensional stability resulting in long life and low probability of damage. The molded cable head, with conical strain relief, helps to prevent damage due to rough handling and repetitive flexing during insertion.
- ➔ Compatibility – Ideally suited for any 270VDC application, especially with F-22 and new generation F-35 aircraft and all cable handling equipment.
- ➔ Cable features – Special low inductance design with alternating lay directions assuring polarity separation. Balanced low profile configuration. Reinforcement prevents jacket stretch or expansion.

MCM's 270VDC aircraft cable is a single jacketed, multi-conductor cable that offers significant advantages over other ground power cables. The replaceable components in the connector provide an economical means to maintain or repair the cable. Individual contacts can be changed when damaged or worn. The yellow nose cover is molded from a highly resilient material that resists abrasion. The aircraft cable meets the electrical and environmental requirements of SAE AS5756 (former MIL-C-5756) and the cable head SAE AS7974 (former MIL-C-7974).



270VDC GROUND POWER CABLE

AIRCRAFT CABLE ASSEMBLY CONNECTOR HEAD DETAILS



P/N: DD11-6301-XX

(XX indicates the required cable length)

DA11-6300 SINGLE JACKETED CABLE TECHNICAL SPECIFICATION

- **Weight Per Foot** 2.0 lbs. (0.91 kg)
- **Overall Diameter** 1.58 in. (4.01 cm)
- **Voltage Rating** 270VDC
- **Outer Jacket** 1.58 in. (4.01 cm)
- **Inner Jacket** 1.44 in. (3.66 cm)
- **Power Conductor** 8 # 8 AWG (8 mm²)
- **Neutral Wire** 8 # 8 AWG (8 mm²)
- **Control Wires** 6 #14 AWG (2 mm²)
- **Bending Radius** 6.5 in. (16.5 cm)
- **Ambient Temperature**
 - Operating -67°F to 130°F (-55°C to 55°C)
 - Storage -67°F to 150°F (-55°C to 65°C)
- **Jacket**
 - Inner Jacket: Heavy Duty Neoprene per MIL-C-13777.
 - Reinforcement: High Tension. Low Stretch Cross Wrapped Thread.
 - Outer Jacket: Heavy Duty Neoprene per MIL-C-13777. Bonded to Reinforcement and inner jacket.

DA11-6300 ALL WEATHER CABLE EXCEEDS ENVIRONMENTAL & ELECTRICAL REQUIREMENTS OF SAE AS5756

CONNECTOR MEETS ENVIRONMENTAL AND ELECTRICAL REQUIREMENTS OF SAE AS7974



OPTIONS:

- Nose Repair Kits (Individual contacts available)
- Special Plugs or Second Connector for use as Extension cable or with Wall Receptacle

Note: Data subject to change without notice

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