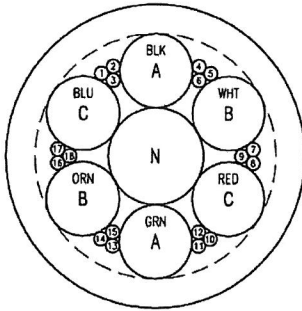


MCM ENGINEERING, INC.

400Hz, 300A GROUND POWER CABLE



**DA2-3883-2A ALL WEATHER CABLE
EXCEEDS ENVIRONMENTAL &
ELECTRICAL REQUIREMENTS OF
SAE AS5756**

**AIRCRAFT CABLE ASSEMBLY CONNECTOR
HEAD DETAILS**

DA2-3883-2A SINGLE JACKETED CABLE TECHNICAL SPECIFICATION

- Diameter 1.97 in. (5.0 cm)*
- Weight Per Foot 3.1 lbs. (1.41 kg)*
- Voltage Rating 600 VAC
- Ampacity 300 Amperes*
- Frequency 400 Hz rating
- Outer Jacket Pressure Extruded,
Rayon-Reinforced,
Black Neoprene
0.170 in. (0.43 cm)
- Voltage Drop 1.90 Volts**
- Voltage Unbalance 0.20 Volts**
- Power Conductor 6 #2 AWG (33.6 mm²)*
- Neutral Wire 1 #2/0 AWG (67.4 mm²)*
- Control Wires 18 #18 AWG (.82 mm²)*
- Bending Radius 7.5 in. (19 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)

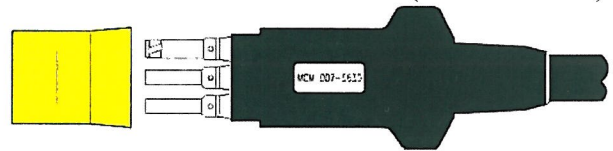
*Values for the 300A cable are shown; values will vary with cable size

**Voltage drop and unbalance measured at 90 KVA on 60 ft. aircraft cable assembly at 0.8 power factor.



NO PUSHBUTTON MODEL – P/N: DD7-5620-XX

Connector with field replaceable contacts and nose
Overall dimensions: 3.5 X 11.2 X 2.5 (H" X L" X W")



TWO PUSHBUTTON MODEL – P/N: DD7-5630-XX

Connector with field replaceable contacts, nose and ON/OFF pushbuttons
Overall dimensions: 5.5 X 12.0 X 2.5 (H" X L" X W")

FOUR PUSHBUTTON MODEL – P/N: DD7-5635-XX

Connector with field replaceable contacts, nose and ON/OFF, UP/DOWN pushbuttons
Overall dimensions: 5.5 X 12.0 X 2.5 (H" X L" X W")

(XX indicates the required cable length)

**CONNECTOR MEETS ENVIRONMENTAL AND
ELECTRICAL REQUIREMENTS OF SAE AS7974**

Note: Data subject to change without notice.

DS051 1210