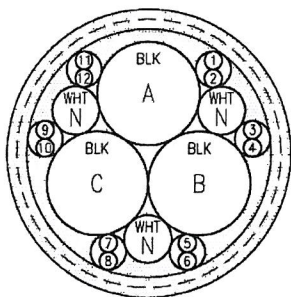


MCM ENGINEERING, INC.

400Hz, 180A GROUND POWER CABLE



DA03-5857-2 SINGLE JACKETED CABLE TECHNICAL SPECIFICATION

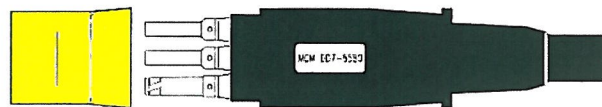
→ Diameter	1.40 in. (3.55 cm)*
→ Weight Per Foot	1.75 lbs. (0.80 kg)*
→ Voltage Rating	600 VAC
→ Ampacity	180 Amperes*
→ Frequency	400 Hz rating
→ Outer Jacket	Pressure Extruded, Rayon-Reinforced, Black Neoprene 80 mil Nominal
→ Voltage Drop	2.60 Volts**
→ Voltage Unbalance	0.20 Volts**
→ Power Conductor	3 #2 AWG (33.6 mm ²)*
→ Neutral Wire	3 #8 AWG (8.36 mm ²)*
→ Control Wires	12 #18 AWG (.82 mm ²)
→ Bending Radius	5.7 in. (14.5 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)

*Values for the 180A cable are shown; values will vary with cable size

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

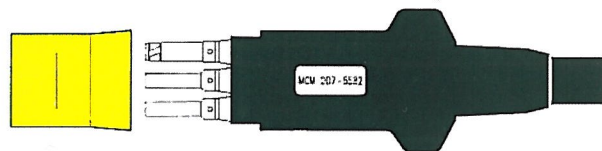
**DA03-5857-2 ALL WEATHER CABLE
EXCEEDS ENVIRONMENTAL &
ELECTRICAL REQUIREMENTS OF
SAE AS5756**

AIRCRAFT CABLE ASSEMBLY CONNECTOR HEAD DETAILS



NO PUSHBUTTON MODEL – P/N: DD7-5580-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: DD7-5582-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: DD7-5583-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.

DS052 1210