AVIONICS/MIL CABLE MOUNTED PLUG 7016 SERIES
HIGH CURRENT CONNECTOR

All of our two pole, avionics-grade, quick disconnect, cable-mounted plugs are designed to mate with our avionics-grade, bulkhead-mounted receptacles. The quick disconnect feature enables an operator, even with double-gloved hands, to rotate the handle clockwise to engage the connector and lock it in place then to rotate the handle counter-clockwise to disengage the electrical contacts and unlock the connector. Polarity markings on the outside and inside of the connector are clearly visible and the mechanical polarizing design prevents it from being mis-mated. All fastening and mechanical hardware components are made from stainless steel.

ELECTRICAL

Current
- Rated Current (per MIL PRF 18148D) 750 amp

Voltage
- Rated Voltage (volts, continuous) 750
- Dielectric Withstanding Voltage 2,500

Contact Resistance (Micro Ohms) 60

HVIL Circuit NO

EMI Shielded NO

MECHANICAL

Wire Size Range
- Minimum Wire Size 8 AWG
- Maximum Wire Size 4/0
- Maximum Cable OD (inches) 0.76"
- Maximum Terminal Lug Tongue Width (inches) 1.06"
- Maximum Terminal Lug Web Width (inches) 0.35"

Environmental Sealing when mated
- With standard kit components IP13
- With optional gasket, shrink tubing or boot accessories IP13

Operating Temperature
- Minimum (ºC) -85º
- Maximum (ºC) 71º

Flammability Rating (per UL Standard #94) V-0

Mechanical Shock 20gs - 3 axes

Vibration 10gs - 3 axes

Mating Cycles
- No Electrical Load (# mating cycles) 5,000
- Live Electrical Load 0

Mating Force
- Maximum Mating or Unmating force after 10 matings (inch-pounds) 12
- Maximum Mating or Unmating force after 5,000 matings (inch-pounds) 12

Keying NO

CERTIFIED FOR AVIONICS APPLICATIONS PER MILITARY STANDARDS #
- MIL PRF 18148-1
- MS 3349-2
- MIL E 81089

COMMERCIAL ORDERING INFORMATION

KEY COMPONENTS
- 7016-1 (MS3349-2) Plug, 2 Wire, Tee Handle, Short Backshell, Black
- 7016-2 (MS3349-2) Plug, 2 Wire, Round Handle, Short Backshell, Black

ELECTRICAL

Current
- Rated Current (per MIL PRF 18148D) 750 amp

Voltage
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- Dielectric Withstanding Voltage 2,500

Contact Resistance (Micro Ohms) 60

HVIL Circuit NO

EMI Shielded NO

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