



Technical Specifications

Materials and Finishes

Shell: Aluminum alloy
 Olive drab chromate coating over cadmium plating (standard), optional, black or green zinc cobalt, black zinc (RoHS), zinc nickel or electroless nickel

Plating:

Contacts: Copper alloy

Electrical Data:

Operating Voltages and Test Voltages:

Service Rating*	Test Altitude	Maximum Operating Voltage		Test Voltage	
		DC	AC(RMS)	DC	AC (RMS)
1	Sea Level	850	600	2,100	1,500
2		1,275	1,000	3,200	2,300
1	70,000 feet	-	300	835	375
2		-	450	770	550

Current Ratings:

Contact Size	Rated Current (AMPS)	Test Current (AMPS)DCAC (RMS)	Potential Drop (Mill volts Initial)
20	7.5	7.5	<55
16	22	13	<50

Wire Range Sizes: 24 to 16 AWG



Contact Resistance: When tested to MIL-STD 1344 Method 3004 will not exceed voltage drops listed in table. Consult MIL-C-26482, 3.6.4 for details

Insulation Resistance: 5,000 Megohms minimum at 77°F (25°C)

Wire Range Sizes: 24 to 16 AWG

Mechanical:

Operating Temperature: -67°to +257°F (-55° to +125°C)

Sealing: 48 hours in 6 feet of water per MIL-C-26482 4.6.14. Meets 10 and 20 day 50-95% humidity testing per MIL-STD 1344 Method 1002.2 per MIL-C-26482

Wire Sealing Range

Contact Size	AWG Wire Size	Insulation O.D. Limits: Inches (mm)	
		Minimum	Maximum
20	24,22 & 20	.060 (1.52)	.083 (2.11)
16	20,18 & 16	.066 (1.68)	.109 (2.77)

Insulation Strip Lengths:

Contact Size	Wire Size AWG	Strip Length Inches (mm)
20	20-24	.375 (9.5)
16	16-20	.250 (6.35)

Mating Life: 500 mated cycle's minimum

Salt Spray Unmated connectors and dust caps meet 48 hour exposure to MIL-STD 1344 Method 1001 per MIL-C-26482. (Cadmium Plating)

Heat +175°C (+347°for 1,000 hours to MIL-STD-1344 Method 1001 per MIL-C-26482

Chemical Resistance 20 hours full immersion unmated in hydraulic fluid and lubricating oil per MIL-C-26482



Vibration: 10-2,000Hz (15g's) 10 microseconds maximum discontinuity. To MIL-STD 1344 Method 2005 per MIL-C-26482

Shock: 50g's. 11ms duration, three major axes. 10 microsecond's maximum discontinuity. To MIL-STD 1344 Method 2004 per MIL-C-26482

Contact Type: Solder or PC type.

Number of Circuits: 2 to 61.

Contact Retention: To MIL-STD-1344 Method 2007 per MIL-C-26482.

Contact Size	Axial Load Min. Newton's (lbs)
20	66.7 (15)
16	111.2 (25)

Polarization: Five Keyways, three point bayonet with optional rotational polarization. Refer to our "How to Order" page.