

MIL-C-26482

Air Leakage (Hermeticity):

Leakage rate less than .1 micron cubic foot per hour (1 x 10⁻⁶ CM³/sec) at 15 psi.

Insert Retention:

Insert will withstand 200 psi without damage.

Insulation Resistance:

Greater than 5,000 megohms/500 VDC MIL-STD-1344, method 3001.

Dielectric Withstanding Voltage:

Connectors show no evidence of breakdown or flashover when tested at voltages shown in accordance with MIL-STD-1344, method 3001.

Altitude Feet	Minimum test Voltages AC(RMS)	
	Service Rating I	Service Rating II
Sea Level	1500	2300
50,000	500	750
70,000	375	500
110,000	200	200

Thermal Shock :

No evidence of damage detrimental to operation of connector at -55°C (-67°F) to + 125°C (+257°F), per MIL-STD-1344, method 1003.

Corrosion:

Connectors will meet salt spray test per MIL-STD-1344, method 1001.

MIL-C-26500

Insert Retention:

Insert will withstand up to 300 psi without damage.

Air Leakage (Hermeticity):

Leakage rate less than .01 micron cubic foot per hour (1 x 10⁻⁷ cc/sec) at 15 psi.

Temperature Life:

Connector will perform satisfactorily after exposure to 200°C(392°F) for 1,000 hrs.

Insulation Resistance:

Greater than 5,000 megohms/500 VDC, 25°C per MIL-STD-1344, method 3003.

Dielectric Withstanding Voltage:

Connectors show no evidence of breakdown or flashover when tested at voltages shown in accordance with MIL-STD-1344, method 3001.

Altitude Feet	Unmated		Mated
	Style S	Style P	
Sea Level	1500	1500	1500
10,000	1250	1250	1250
30,000	750	700	1000
50,000	500	450	1000
70,000	350	275	1000
90,000	250	200	1000
110,000	250	200	1000

Moisture Resistance:

Maintains insulation resistance of 1,000 megohms or greater at 100 VDC.

Thermal Shock:

No evidence of damage detrimental to operation of connector after testing at -55°C (-67°F) to + 260°C (+500°F).

Corrosion:

Connectors will meet salt spray test per MIL-STD-1344, method 1001.

MIL-DTL-83723

Air Leakage (Hermeticity):

Leakage rate less than .01 micron cubic foot per hour (1 x 10⁻⁷ CC³/sec) at 15 psi.

Insulation Resistance:

Greater than 5,000 megohms at 500 VDC per MIL-STD-1344, method 3003.

Insert Retention:

Insert will withstand 150 psi without damage.

Dielectric Withstanding Voltage:

Connectors show no evidence of breakdown or flashover when tested at voltages shown per MIL-STD-1344, method 3001.

Altitude Feet	Series III	
	Service Rating I	Service Rating II
Sea Level	1500	2300
50,000	500	750
70,000	375	500
110,000	200	200

Thermal Shock :

No evidence of damage detrimental to the operation of connector after testing at less than 4°C(39°F) to greater than 90°C (201°F)

Corrosion:

Connectors will meet salt spray test per MIL-STD-1344, method 1001.

MIL-DTL-38999

Air Leakage (Hermeticity):

Leakage rate less than .01 micron per cubic foot per hour (1 x 10⁻⁷ cc/sec) at 15 psi.

Insulation Resistance:

Greater than 5,000 megohms 500 VDC per MIL-STD-1344, method 3003.

Insert Retention:

Insert will withstand 100 psi without damage.

Dielectric Withstanding Voltage:

Connectors show no evidence of breakdown or flashover when tested at voltages shown in accordance with MIL-STD-1344, method 3001.

Altitude Feet	Service Rating M		Service Rating N		Service Rating I		Service Rating II	
	Mated	Unmated	Mated	Unmated	Mated	Unmated	Mated	Unmated
Sea Level	1300	1300	1000	1000	1800	1800	2300	2300
50,000	800	550	600	400	1000	600	1000	800
70,000	800	350	600	260	1000	400	1000	500
100,000	800	200	600	200	1000	200	1000	200

Corrosion:

Connectors will meet salt spray test per MIL-STD-1344, method 1001.

Thermal Shock :

No evidence of damage detrimental to the operation of connector after cycle testing at less than 4°C (39°F) to greater than 90°C (201°F).

Humidity:

Maintains insulation resistance of 100 megohms/100 VDC or greater per. MIL-STD-1344, method 1002.

Contact Resistance:

Contact Resistance will meet the following table of values when tested per MIL-STD-1344, method 3004.

Class	Contact Size	Wire Size	Test Amperes	Millivolt Drop Maximum	
				Initial	After Corrosion or Temperature Durability
Y and N	12	12	17	85	100
	16	16	10	85	100
	20	20	5	60	75
	220	22	3	85	95

MIL-C-5015

Air Leakage (Hermeticity):

Leakage rate less than .01 micron cubic foot per hour (1 x 10⁻⁶ cc/sec) at 15 psi.

Insert Retention:

Insert will withstand 200 psi without damage.

Thermal Shock :

No evidence of damage detrimental to operation of connector at -55°C(-67°F) to +175°C (+347°F).

Insulation Resistance:

Greater than 5,000 megohms/500 VDC 25° per MIL-STD-202, method 302.

Dielectric Withstanding Voltage:

Connectors show no evidence of breakdown or flashover when tested at voltages shown in accordance with MIL-STD-202, method 301.

Service Rating	Test Voltage (RMS)	
	Sea Level	70,000 feet
INST.	1000	260
A	2000	360
D	2800	400
E	3500	440
B	4500	480
C	7000	560

Shock:

Mated connectors show no evidence of damage after shock test per MIL-C-5015.

Corrosion:

Connectors will meet salt spray test per MIL-STD-202, method 101.