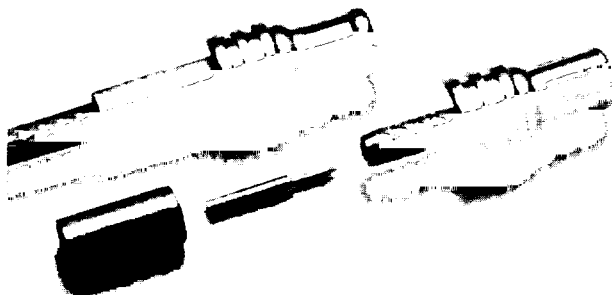
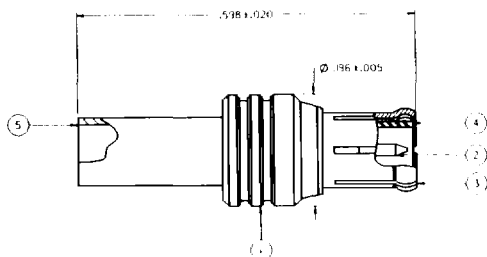


133-3402-001 133-3402-006
 133-3403-001 133-3403-006
 133-3404-001 133-3404-006

MCX

Straight Cable Plug

*Crimp-Crimp or
Solder-Crimp Assembly*



CECC 22220 Compatible

- 30% Smaller Than SMB
- RG 316 Captivated Contact
- Rugged Snap-on Mating Design
- Crimpable Contacts

Part Number	Cable Type	Item 1 Body	Item 2 Contact	Item 3 Interface	Item 4 Insulator	Item 5 Crimp Sleeve
133-3402-001 133-3403-001 133-3404-001	RG 178 RG 316 RG316DS	Brass Gold pl. .00001 min over Nickel pl. .00005 min over Copper pl. .00005 min	Beryllium Copper Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min	Beryllium Copper Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min over	Teflon	Copper Gold pl. .00001 min over Nickel pl. .00005 min over Copper pl. .00005 min over
133-3402-006 133-3403-006 133-3404-006	RG 178 RG 316 RG 316DS	Brass Nickel pl. .0001 min over Copper pl. .00005 min	Beryllium Copper Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min	Beryllium Copper Nickel pl. .0001 min over Copper pl. .00005 min	Teflon	Copper Nickel pl. .0001 min over Copper pl. .00005 min

Specifications:

Impedance: 50 Ohms

Frequency Range: 0-6 GHz

VSWR: 133-3402-001/006 1.17 + .04F max (F in GHz)
 133-3403-001/006 1.13 + .04F max (F in GHz)
 133-3404-001/006 1.13 + .04F max (F in GHz)

Working Voltage:

133-3402-001/006 250 Vrms at sea level
 133-3403-001/006 335 Vrms at sea level
 133-3404-001/006 335 Vrms at sea level

Insulation Resistance: 10000 megohm min

Dielectric Withstanding Voltage:

133-3402-001/006 750 Vrms min at sea level
 133-3403-001/006 1000 Vrms min at sea level
 133-3404-001/006 1000 Vrms min at sea level

Contact Resistance:

Center Contact - Initial 5 milliohm max, after environmental 8 milliohm max
 Outer Conductor - Gold plated initial 1 milliohm max, after environmental 1.5 milliohm max
 Nickel plated initial 2.5 milliohm max, after environmental 3.5 milliohm max
 Body To Cable - Gold plated initial 1 milliohm max, after environmental not applicable
 Nickel plated initial 2.5 milliohm max, after environmental not applicable

Corona Level:

133-3402-001/006 190 volts minimum at 70,000 feet
 133-3403-001/006 250 volts minimum at 70,000 feet
 133-3404-001/006 250 volts minimum at 70,000 feet

Insertion Loss: .1 dB max at 1 GHz

RF Leakage: -70 dB at 2.5 GHz

RF High Potential Withstanding Voltage:

133-3402-001/006 500 Vrms at 4 and 7 MHz
 133-3403-001/006 700 Vrms at 4 and 7 MHz
 133-3404-001/006 700 Vrms at 4 and 7 MHz

Mechanical:

Engage/Disengage Force: 3.4 lbs max engagement
 5 lbs typical disengagement

Contact Retention: 4 lbs min axial force (RG 178 not applicable)

Cable Acceptability:

RG 178 ...RG 178/U, RG 196/U
 RG 316... RG 188/U, RG 316/U, RG 161/U, RG 174/U
 RG 316 DS...RG 188 Double Shielded, RG 316 Double Shielded

Cable Hex Crimp Size:

RG 178105
 RG 316... .128
 RG 316DS... .151

Cable Retention:

RG 178 ...10 lbs min axial force
 RG 316... 20 lbs min axial force
 RG 316DS...25 lbs min axial force

Durability: 500 cycles min

Environmental:

(Meets or exceeds the applicable paragraph of MIL-C-39012)

Thermal Shock: MIL-STD-202, Method 107, Condition F

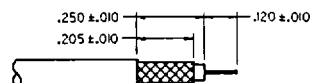
Operating Temperature: -65 deg C to 165 deg C

Corrosion: MIL-STD-202, Method 101, Condition B

Shock: MIL-STD-202, Method 213, Condition B

Vibration: MIL-STD-202, Method 204, Condition B

Moisture Resistance: MIL-STD-202, Method 106



Cable Strip Dimensions