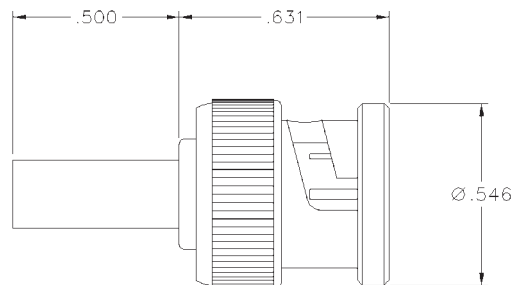


## True 75 Ohm BNC Connectors



**Crimp BNC (M)**  
3 Piece, solder or crimp  
captivated contact

### Electrical Characteristics

Impedance	75 Ohm
Frequency range	0-3 GHz
VSWR:	1.10 + .03 F (F in GHz) BNC Cabled Plugs 1.03 + .02 F (F in GHz) BNC Adapters
Working voltage	500 VRMS at sea level
Dielectric withstanding voltage:	1500 VRMS at sea level
Insulation resistance	5000 megohms minimum
Contact resistance:	Outer - Initial 2.5 milliohm max (nickel plated), after environmental 3.5 milliohm max Center - Initial 3 milliohm max, after environmental 4 milliohm max Braid to Body - 2.5 milliohm max (nickel plated), after environmental not applicable
Corona level	75 volts minimum at 70,000 feet
RF High Potential	
Withstanding Voltage	700 VRMS at 4 and 7 MHz

### Environmental Characteristics

(Meets or exceeds the applicable paragraph of MIL-C-39012)	
Thermal shock:	MIL-STD-202, Method 107
Operating temperature	-650 C to +1650 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 10

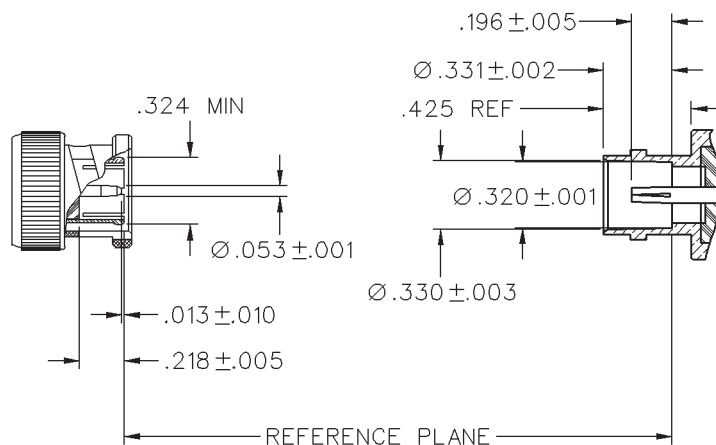
### Mechanical Characteristics

Durability	500 cycles min
Force to engage/disengage	5 lbs. max, after durability 5 lbs max; 1 lb. min.
Coupling nut retention	100 lbs. min
Contact retention	6 lbs. min axial force

### Material Specifications

Body	Brass, nickel plated .0001 min over copper plated .00005 min
Contact	Brass, gold plated .00005 min over nickel plated .00005 min over copper plated .00005 min
Crimp Sleeve	Copper, nickel plate .0001 min over copper plated .00005 min
Nut	Zinc, nickel plated over copper plated
Insulator	Teflon
Spring Washer	Beryllium Copper (unplated)
Flat Washer	Steel, nickel plated
Gasket:	Silicone rubber

Part No.	Cable Type	Contact I.D.	Body I.D.	Sleeve I.D.
CPMC682	RG-59, 140, 302, Belden 9209A, 8279, 8241, 8263, Commscope 5563, Gepco VJ59U	.028 (0.71)	.152 (3.86)	.252 (6.40)
CPMC683	Belden 8281, 9231, 9141, 728A, Commscope 7501, VP618VC	.036 (0.91)	.203 (5.16)	.330 (8.38)
CPMC685	RG-6, Belden 8215	.033 (0.84)	.191 (4.85)	.355 (9.01)
CPMC6810	Belden 82108, 89108, Coleman 99969	.036 (0.91)	.149 (3.78)	.234 (5.94)
CPMC6818	Belden 8218	.021 (0.53)	.105 (3.81)	.180 (4.57)
CPMC6820	RG-179, 187, Belden 1520A	.016 (0.53)	.067 (1.70)	.128 (3.25)
CPMC6833	Belden 735A, Commscope 735, Helux/Hitemp 735, BT3002, TZC75024	.021 (0.53)	.082 (2.08)	.160 (4.06)
CPMC6834	Belden 1855A, 720A, Commscope 7538, Gepco VDM 230, VDM 250, Mini-75	.028 (0.71)	.105 (3.81)	.180 (4.57)
CPMC6835	Belden 1505A, 734A, Commscope 5565, Gepco VPM2000	.036 (0.91)	.152 (3.86)	.252 (6.40)
CPMC6836	Belden 1695A, 633938, Gepco VSD 2001TS, Commscope 2277V	.044 (1.12)	.176 (4.47)	.265 (6.73)
CPMC6845	Belden 1694A, 9248, 1152, Commscope 5765, 2227K, Gepco VSD 2001, RG-6 Quad .275 (6.98) Max O.D.	.044 (1.12)	.187 (4.75)	.290 (7.37)
CPMC6850	Belden 1506A, 82259, 89259, Gepco VPM2000TK, VPM2000TS	.036 (0.91)	.138 (3.51)	.234 (5.94)



(M) = Male Plug (F) = Female Socket