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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

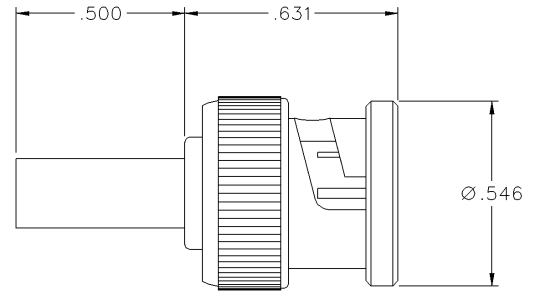
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# True 75 Ohm BNC Straight Cabled Plug - 3 Piece Solder or Crimp Captivated Contact

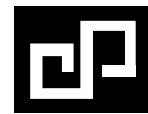


INCHES (MILLIMETERS)  
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST



PART NUMBER	CABLE TYPE	CONTACT I.D.	BODY I.D.	FERRULE I.D.
CPMC-68-2	RG-59, 140, 302, Belden 9209A, 8279, 8241, 8263, Commscope 5563 Gepco VJ59U	.028 (0.71)	.152 (3.86)	.252 (6.40)
CPMC-68-3	Belden 8281, 9231, 9141, 735A Commscope 7501 VP618PVC	.036 (0.91)	.203 (5.16)	.330 (8.38)
CPMC-68-5	RG-6 Belden 8215	.033 (0.84)	.191 (4.85)	.355 (9.01)
CPMC-68-10	Belden 82108, 89108 Coleman 99969	.036 (0.91)	.149 (3.78)	.234 (5.94)
CPMC-68-18	Belden 8218	.021 (0.53)	.105 (3.81)	.180 (4.57)
CPMC-68-20	RG-179, 187 Belden 1520A	.016 (0.41)	.067 (1.70)	.128 (3.25)
CPMC-68-33	Belden 735A Commscope 735, Helix/Hitemp 735 BT3002, TZC75024	.021 (0.53)	.082 (2.08)	.160 (4.06)
CPMC-68-34	Belden 1855A, 720A Commscope 7538, Gepco 7538	.028 (0.71)	.105 (3.81)	.180 (4.57)
CPMC-68-35	Belden 1505A, 734A Commscope 5565, Gepco VPM2000	.036 (0.91)	.152 (3.86)	.252 (6.40)
CPMC-68-36	Belden 1695A Gepco VSD2001TS	.044 (1.12)	.176 (4.47)	.265 (6.73)
CPMC-68-45	Belden 1694A, 9248, Commscope 5765 Gepco VSD2001	.044 (1.12)	.187 (4.75)	.290 (7.37)
CPMC-68-50	Belden 1506A, 82259, 89259, Gepco VPM2000TK, VPM2000TS	.036 (0.91)	.138 (3.51)	.234 (5.94)

# BNC Connectors - True 75 Ohm



CAMBRIDGE  
PRODUCTS

## Specifications

INCHES (MILLIMETERS)  
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

### Electrical Characteristics

**Impedance:** 75 Ohm

**Frequency range:** 0-3 GHz

**VSWR:**

BNC Cabled Plugs (except CPMC-68-18) ..... 1.10 + .03 F (F in GHz)

CPMC-68-18 ..... 1.22 + .01 F (F in GHz)

BNC Adapters (In-series and Between-series) 1.03 + .02 F (F in GHz)

**Working voltage:** BNC Cabled Plugs and Adapters

(except CPMC-88-18, 20 and 33) ..... 500 VRMS at sea level

CPMC-88-18, 20 and 33 ..... 335 VRMS at sea level

**Dielectric withstanding voltage:**

BNC Cabled Plugs and Adapters

(except CPMC-88-18, 20 and 33) ..... 1500 VRMS at sea level

CPMC-88-18, 20 and 33 ..... 1000 VRMS at sea level

**Insulation resistance:** 5000 megohms minimum

**Contact resistance:**

Outer - Nickel plated initial 1.0 milliohm max,

after environmental 1.5 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:** 375 volts minimum at 70,000 feet

**RF High Potential Withstanding Voltage:** 700 VRMS at 4 MHz

### Environmental Characteristics

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

**Thermal shock:** MIL-STD-202, Method 107

**Operating temperature:** -65° C to 165° 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

### Mechanical Characteristics

**Durability:** 500 cycles min

**Force to engage/disengage:** 5 lbs. max, after durability 5 lbs max; 1 lb. min.

**Coupling nut retention:** 75 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

## True 75 Ohm BNC Plug and Jack Mating Engagement

