

Connectivity Solutions

Complete or Partial Part #, Competitor Part # or Keywords.

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Product Detail



Product Line: Cambridge (Click for customer service)

Part Number: CPMC-88-21

Description: 50 Ohm BNC Straight Crimp Type Plug - 3 Piece, 2 Ferrules

Product Family: BNC 50 OHM

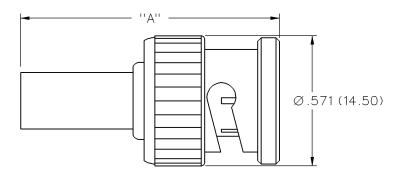
Body Style: Straight Color / Finish: Nickel Connector A: BNC Frequency: 4 GHz Genders: Male Ohm: 50 **Product Type:** Cabled **RoHS Compliant:** Yes

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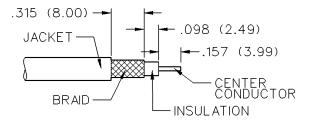
BNC 50 Ohm Straight Crimp Plug - Two Ferrules - 3 Piece

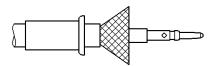


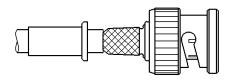


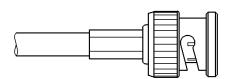


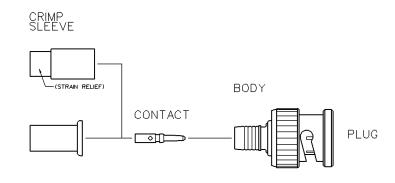
PART NUMBER	CABLE TYPE	"A"	CONTACT I.D.	BODY I.D.	FERRI	JLE I.D.
CPMC-88-21	RG-58, RG-59 PLENUM	1.238 (31.45), 1.143 (29.03)	.034 (0.86)	.172 (4.37)	.213 (5.41)	.261 (6.63)











- 1. Identify the connector parts. (3 piece parts)
- Trim the cable to the dimensions shown. Take care not to nick the center conductor or the braid.
- Slide the crimp sleeve onto the cable, narrow end first. Solder the contact
 to the center conductor using the minimum amount necessary for a good
 joint, make sure that the contact is flush with the insulation of the cable.
 Flare the braid.
- 4. Slide the body over the contact and under the braid. Then seat the body firmly onto the contact.
- Arrange the braid uniformly around the crimp stem of the body. Slide the crimp sleeve forward and crimp using the recommended crimp hex.

		Sleeve	Strain Relief	
Part Number	Cable	Crimp Hex	Crimp Hex	
CPMC-88-21	RG-58, RG-59 PLENUM	.240 (6.10), .250 (6.35)	.210 (5.33)	

BNC Connectors

Specifications



The BNC series connector is a commercial quality product that intermates with all standard double bayonet stud BNC designs. All contacts are captivated for ruggedness. The 50 ohm and 75 ohm interfaces are intermateable and provide quick, reliable connections for instrumentation, medical and LAN applications.

Specifications*

50 Ohm BNC

Electrical Characteristics

Impedance: 50 Ohm nominal Frequency range: 0-4 GHz

Working voltage: 500 volts RMS at sea level

Dielectric withstanding voltage: 1500 volts RMS at sea level

Corona level: 375 volts minimum at 70,000 feet
Contact resistance: Outer - 0.2 milliohms maximum
Center - 2.1 milliohms maximum

Insulation resistance: 5000 megohms minimum

Environmental Characteristics

Recommended temperature range: -55°C to +85°C

Moisture resistance: MIL-STD-202 **Mechanical Characteristics**

Durability: 500 cycles

Force to engage/disengage: 3 lbs. maximum Cable retention: 20 lbs., RG-58 C/U cable

Materials

Body: Zinc or brass

Contact: Brass, beryllium copper or phosphor bronze

Spring Washer: Beryllium copper

Crimp sleeve: Brass

Insulator: Delrin® or TPX Polymethylpentene Plating: Body - Nickel (except where noted)

Crimp sleeve - Nickel Contact - Gold

^{*} These values are typical and may not apply to all connectors.