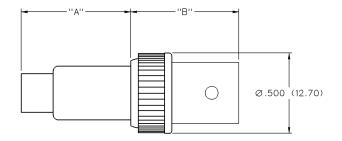
# 50 Ohm BNC Straight Crimp Type Jack - Push-On Body - 2 Piece

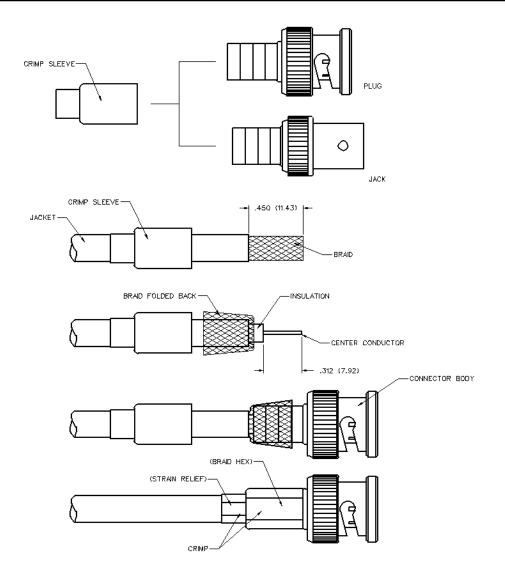


INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST





| PART<br>NUMBER | CABLE<br>TYPE | CABLE CENTER CONDUCTOR | "A"          | "B"          | WIRE<br>GAUGE | WIRE<br>DECIMAL | JACKET<br>O.D.        |
|----------------|---------------|------------------------|--------------|--------------|---------------|-----------------|-----------------------|
| CP-89-5        | RG-6          | SOLID                  | .684 (17.37) | .661 (16.79) | 18            | .043 (1.09)     | .265 (6.73)280 (7.11) |



| Part    |       | Crimp       | Crimp (Strain | Recommended |
|---------|-------|-------------|---------------|-------------|
| Number  | Cable | (Braid Hex) | (Relief)      | Crimp Tool  |
| CP-89-5 | RG-6  | .320 (8.13) | .280 (7.11)   | 24-321P     |

- 1. Identify connector parts. (2 piece parts)
- Slide crimp sleeve over cable and strip cable jacket to dimension shown.Do not nick braid or center conductor during strip operations.
- Flair braid and fold back. Strip cable insulation to dimension shown. Do not nick center conductor.
- Insert center conductor into the guide hole found in the rear of the connector body. Push or twist the body onto the center conductor until the cable insulation butts up to the body.
- Arrange braid uniformly around crimp stem. Slide crimp sleeve over braid and crimp securely using recommended crimp tool.

# **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

<sup>\*</sup> These values are typical and may not apply to all connectors.