

Telegartner BNC Straight Plug Crimp G1 (RG-58C/U); YR23092 Belden crimp/crimp Professional

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Description

The Telegartner BNC Straight Plug Crimp G1 is a high-performance coaxial RF connector designed for use with RG-58 cables. This BNC male connector is ideal for telecommunications and data communications applications, offering reliable performance in high-frequency environments. Its robust construction, featuring a lead-brass alloy with nickel-phosphorous-gold plating, ensures durability and efficient signal transmission. With the ability to withstand over 500 mating cycles, this connector is suitable for repeated connections and disconnections.

Operating within a frequency range of 0 to 4 GHz, it provides low insertion loss and excellent return loss, making it suitable for a variety of RF applications, including broadcast, radio, and network signal transmission. The connector supports an input impedance of 50 Ω and can handle peak powers up to 2 kW, ensuring it meets the demands of high-power applications.

Designed to operate in...

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Telegartner

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RF Connector Interface

| | | |
|---------------------|-------------------|-----------------|
| RF Interface | Body Shape | Mounting |
| BNC Male | Straight | Free Hanging |

RF Specification

| | | | |
|------------------|--------|---------------------------|------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 4 GHz | Inner Contact Resistance: | ≤ 20 mΩ |
| Peak Power: | 1.5 kW | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 5 mΩ |
| | | RF Operating Voltage: | ≤ 500 Vrms |

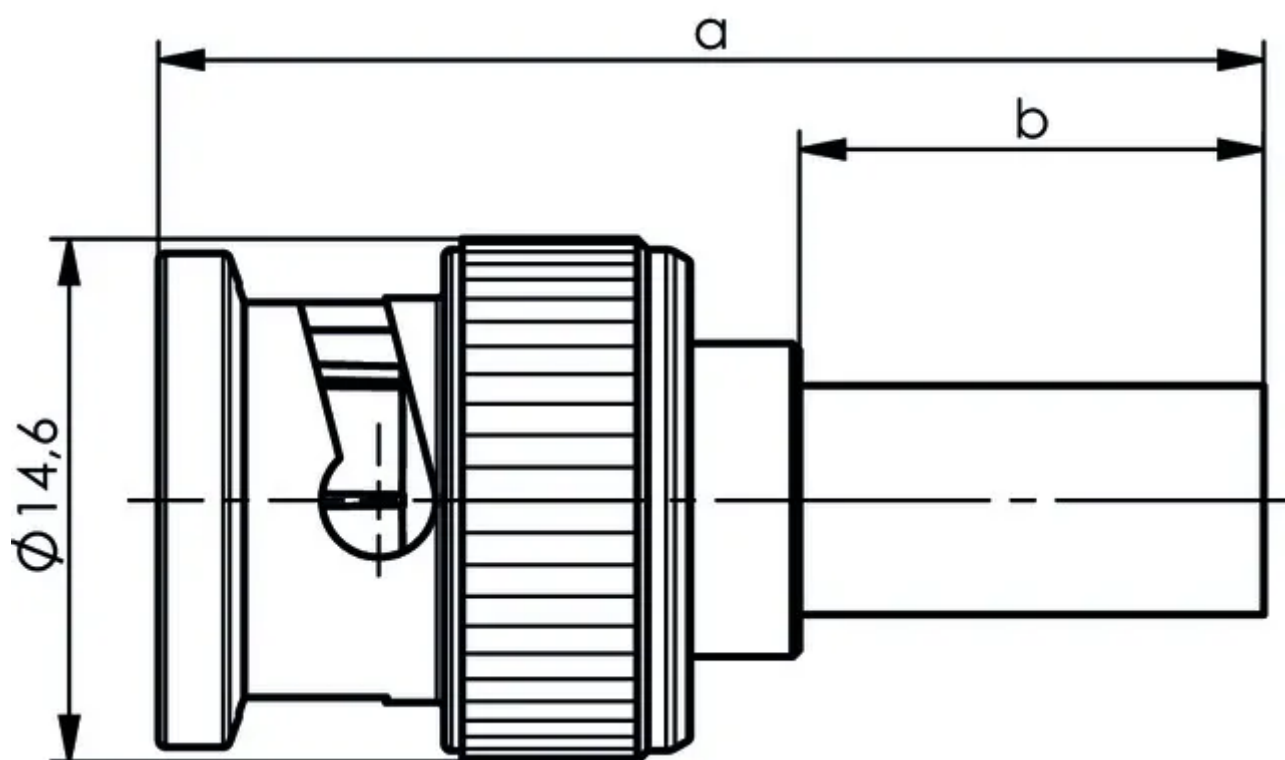
VSWR Measurement

| Frequency | Return Loss | Insertion Loss |
|-----------|-------------|----------------|
| 1000 MHz | ≤ 27 dB | 0.15 dB |
| 2400 MHz | ≤ 24.5 dB | 0.15 dB |
| 3000 MHz | ≤ 24.5 dB | 0.15 dB |

Physical Specification

| | | | |
|----------------------------|----------------------------------|-----------------------------|------------------------------|
| Cable Group: | RG-58 | Conductor Attachment: | Cable, Crimp |
| Body Material: | Lead-Brass Alloy (CuZn39Pb3) | Contact Material: | Lead-Brass Alloy (CuZn39Pb3) |
| Body Plating: | Nickel-Phosphorous-Gold (NiP-Au) | Contact Plating: | Copper-Nickel (Cu2Ni5) |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -40 °C |
| Dimensions: | 31 x 14.6 | Max. Operating Temperature: | 155 °C |
| Weight: | 10.8 g | Mating Cycles: | > 500 |
| Compliance/Certifications: | RoHS | | |

Drawing



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