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

SKU
ACC-TG-00024
MPN
100027453

Description

The Telegärtner 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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Telegärtner

As family-owned company the Telegärtner Group has developed to an international network of affiliated companies specialising in intermediate and end products for telecommunications and data communications for customers with the most exacting demands for high-tech applications over the last 70 years.

Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

RF Connector Interface

RF Interface Body Shape Mounting

[BNC Male](#) [Straight](#) [Free Hanging](#)

RF Specification

Start Frequency

0 GHz

Stop Frequency

4 GHz

Peak Power

1.5 kW

Input Impedance

50 Ω

Inner Contact Resistance

$\leq 20 \text{ m}\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

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](#)

Body Material

[Lead-Brass Alloy \(CuZn39Pb3\)](#)

Body Plating

[Nickel-Phosphorous-Gold \(NiP-Au\)](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

31 x 14.6

Weight

10.8 g

Compliance/Certifications

[RoHS](#)

Conductor Attachment

[Cable, Crimp](#)

Contact Material

[Lead-Brass Alloy \(CuZn39Pb3\)](#)

Contact Plating

[Copper-Nickel \(Cu2Ni5\)](#)

Min. Operating Temperature

-40 °C

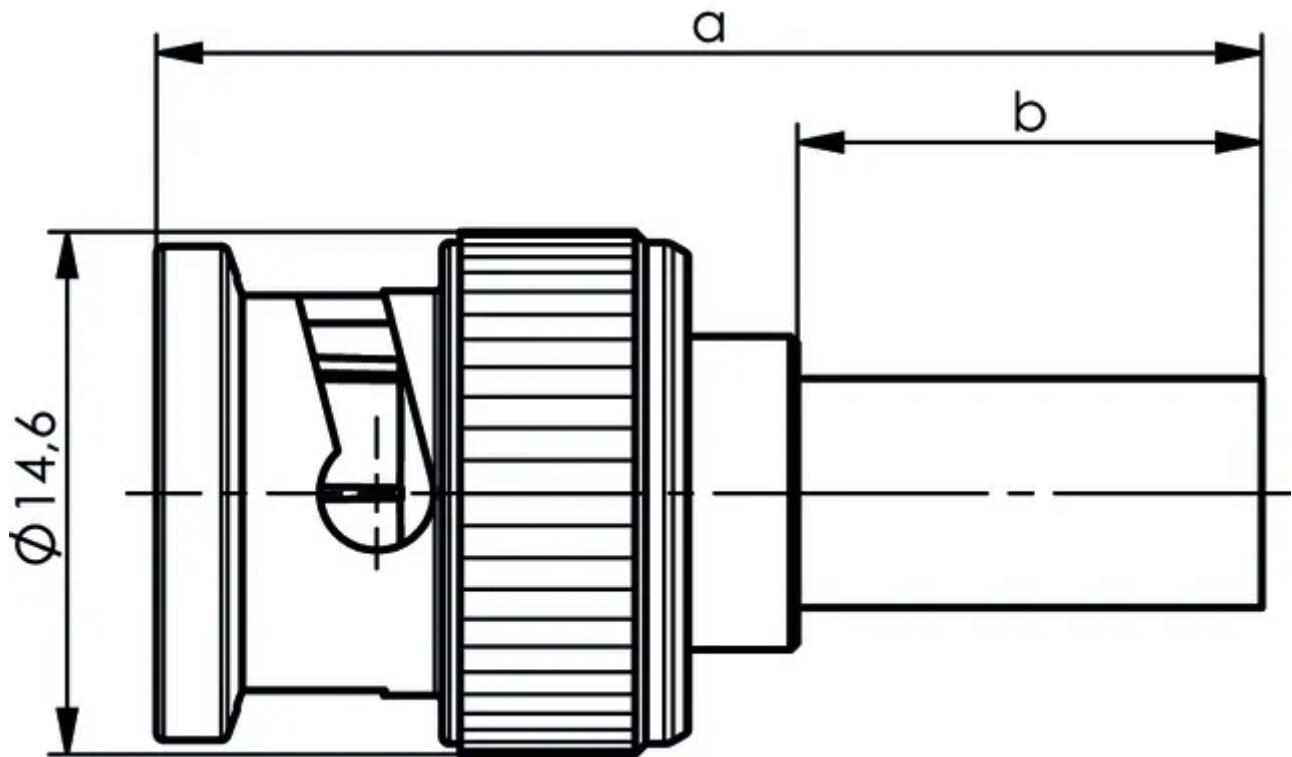
Max. Operating Temperature

155 °C

Mating Cycles

> 500

Drawing



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