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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
≤ 20 mΩ
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

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

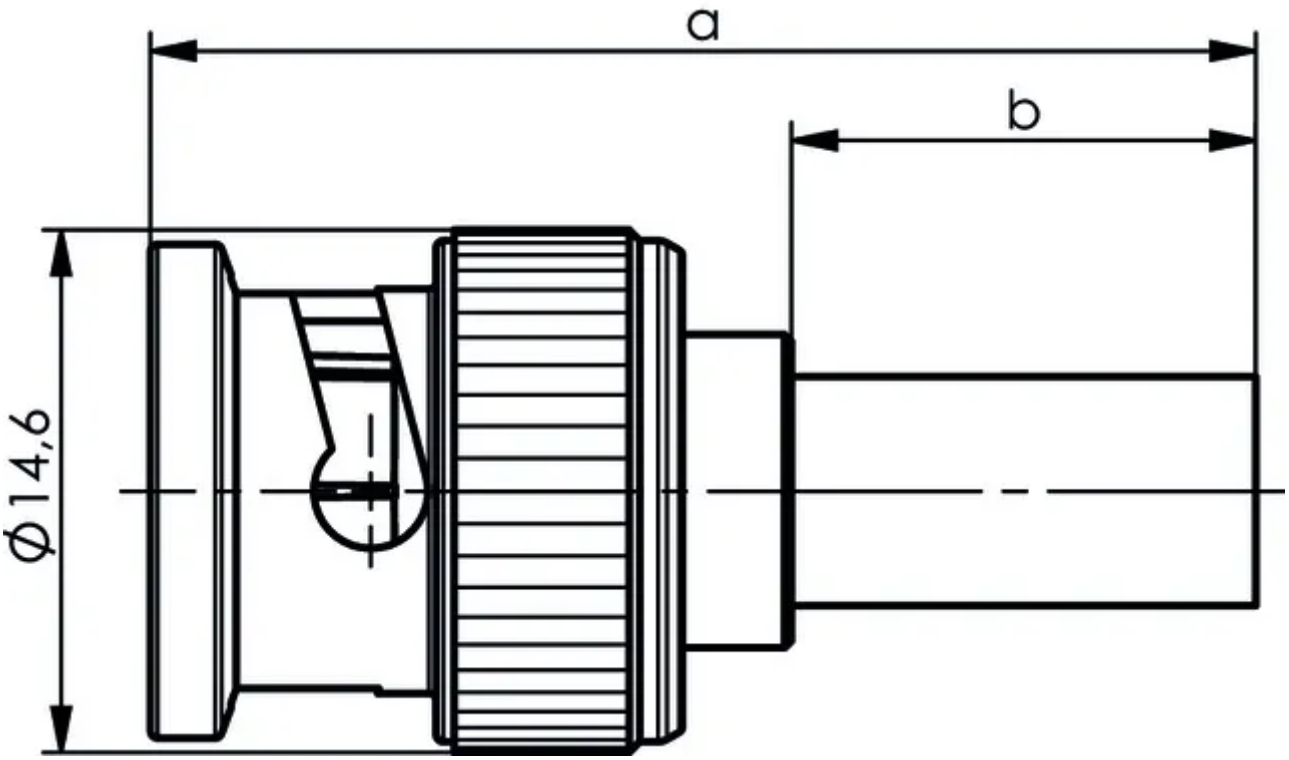
Max. Operating Temperature

155 °C

Mating Cycles

> 500

Drawing



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