

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

SKU: ACC-TG-00024  
 MPN: 100027453

## 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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RF Connector Interface



RF Interface	Body Shape	Mounting
BNC Male	Straight	Free Hanging

## Telegartner RF Specification

As a family-owned company the Telegartner 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 Telegartner has seen steady growth and has continually expanded ...

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

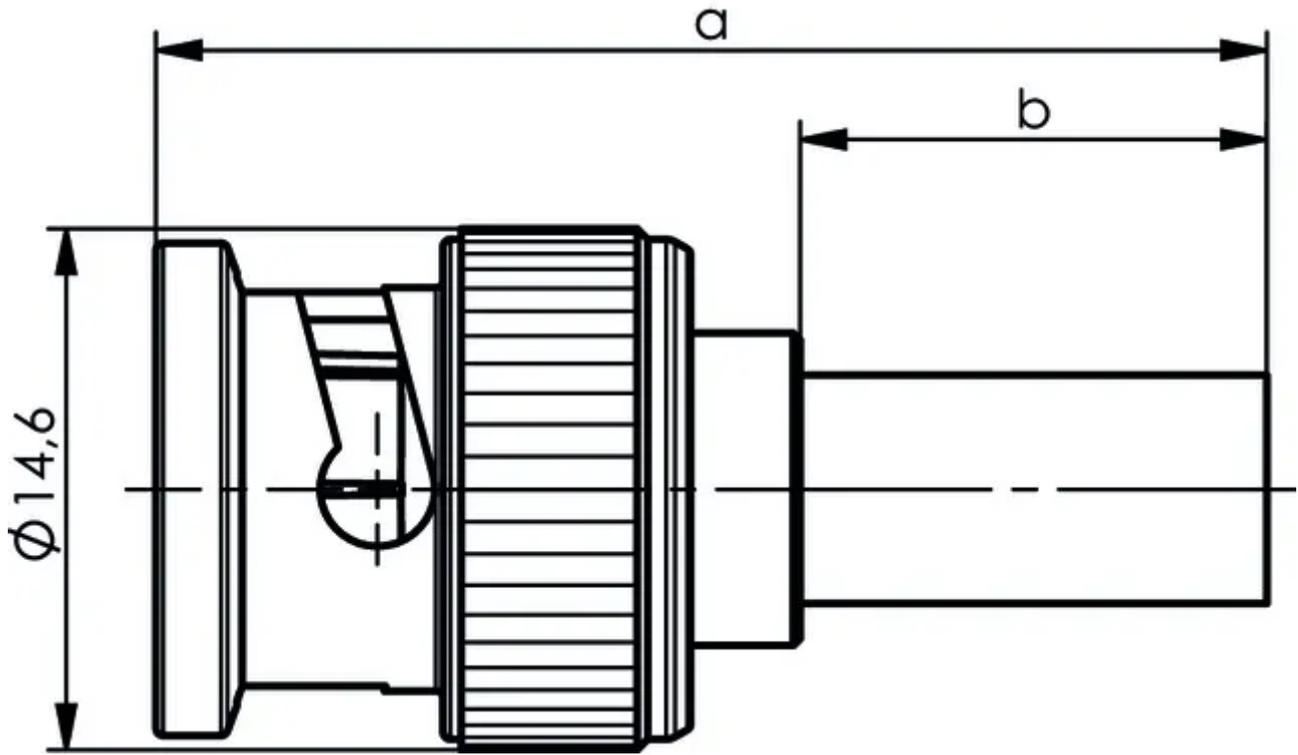
#### VSWR Measurement

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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