

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

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

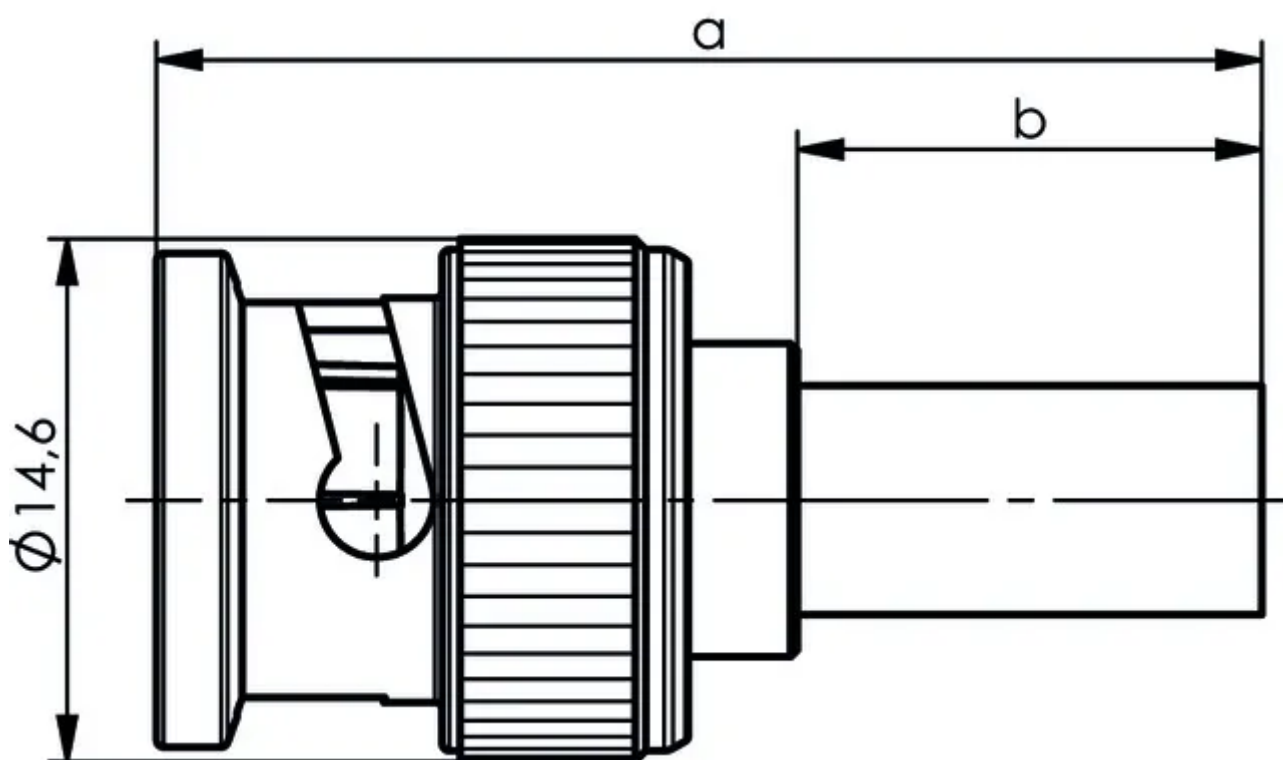
VSWR Measurement

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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