

Telegärtner N Straight Plug Crimp G1 (RG-58C/U) crimp/crimp

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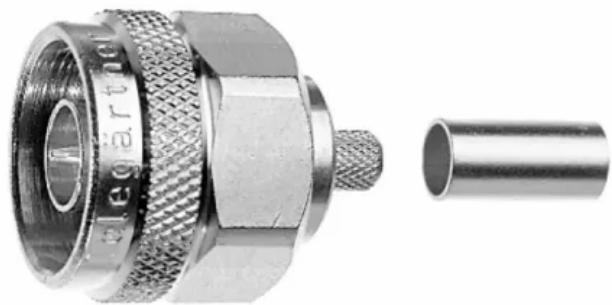
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Description

The Telegärtner N Straight Plug Crimp G1 is a high-performance coaxial RF connector designed for professional telecommunications and data communications applications. This N Male connector features a straight body and a free-hanging mounting style, making it ideal for seamless integration with RG-58 cable types using a crimp attachment mechanism. Its robust construction from lead-brass alloy, with copper-silver alloy plating, ensures excellent durability and reliable connectivity.

Engineered to operate within a frequency range of 0 to 11 GHz, this connector is suitable for a wide array of RF applications, including wireless communication systems and antenna connections. It supports an impedance of 50 ohms, making it compatible with standard RF systems while maintaining signal integrity through low inner and outer contact resistance. The PTFE/Teflon insulator provides excellent thermal stability, allowing the connector to function in...

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RF Connector Interface

RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	11 GHz	Inner Contact Resistance:	$\leq 1.5 \text{ m}\Omega$
		Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

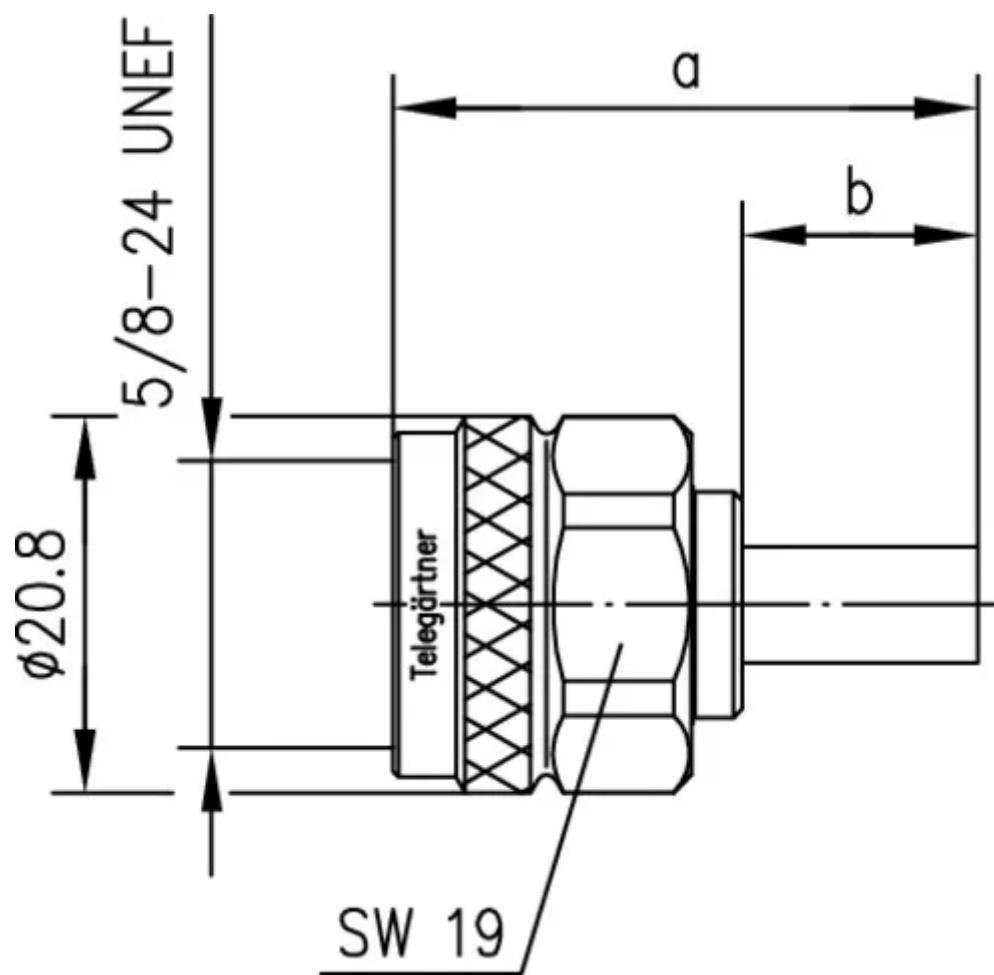
VSWR Measurement

Frequency	Return Loss
1000 MHz	$\leq 34 \text{ dB}$
2000 MHz	$\leq 29 \text{ dB}$
4000 MHz	$\leq 25 \text{ dB}$
11000 MHz	$\leq 24 \text{ dB}$

Physical Specification

Cable Group:	RG-58	Conductor Attachment:	Cable, Crimp
Body Material:	Lead-Brass Alloy (CuZn39Pb3)	Contact Material:	Lead-Brass Alloy (CuZn39Pb3)
Body Plating:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon	Mating Cycles:	> 500
Dimensions:	32.8 x 20.8		
Compliance/Certifications:	RoHS		

Drawing



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