

Telegartner N Straight Plug G21 (1/2") SIMFix Pro IP68

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Description

The Telegartner N Straight Plug G21 SIMFix Pro is a high-performance coaxial RF connector designed for robust telecommunications and data communications applications. As a N Male connector, it features a straight body shape ideal for free-hanging mounting, making it versatile for various installations. This connector is specifically engineered to attach seamlessly to 1/2" corrugated cable types. Constructed with a durable brass body and coated with CuSnZn3 plating, it ensures longevity and reliable performance. The inner contacts use a copper alloy with a copper-silver alloy plating, enhancing electrical conductivity.

This connector can handle over 500 mating cycles, making it suitable for demanding environments where frequent connections and disconnections are required. Operating within a temperature range of -40°C to 85°C and supporting frequencies from 0 GHz to 6 GHz, it is designed for a wide array of RF applications. The connector's...

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Telegartner

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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:	6 GHz	Inner Contact Resistance:	≤ 1.5 mΩ
PIM, 3rd Order:	≤ -155 dBc	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 1 mΩ
		RF Operating Voltage:	≤ 1000 Vrms

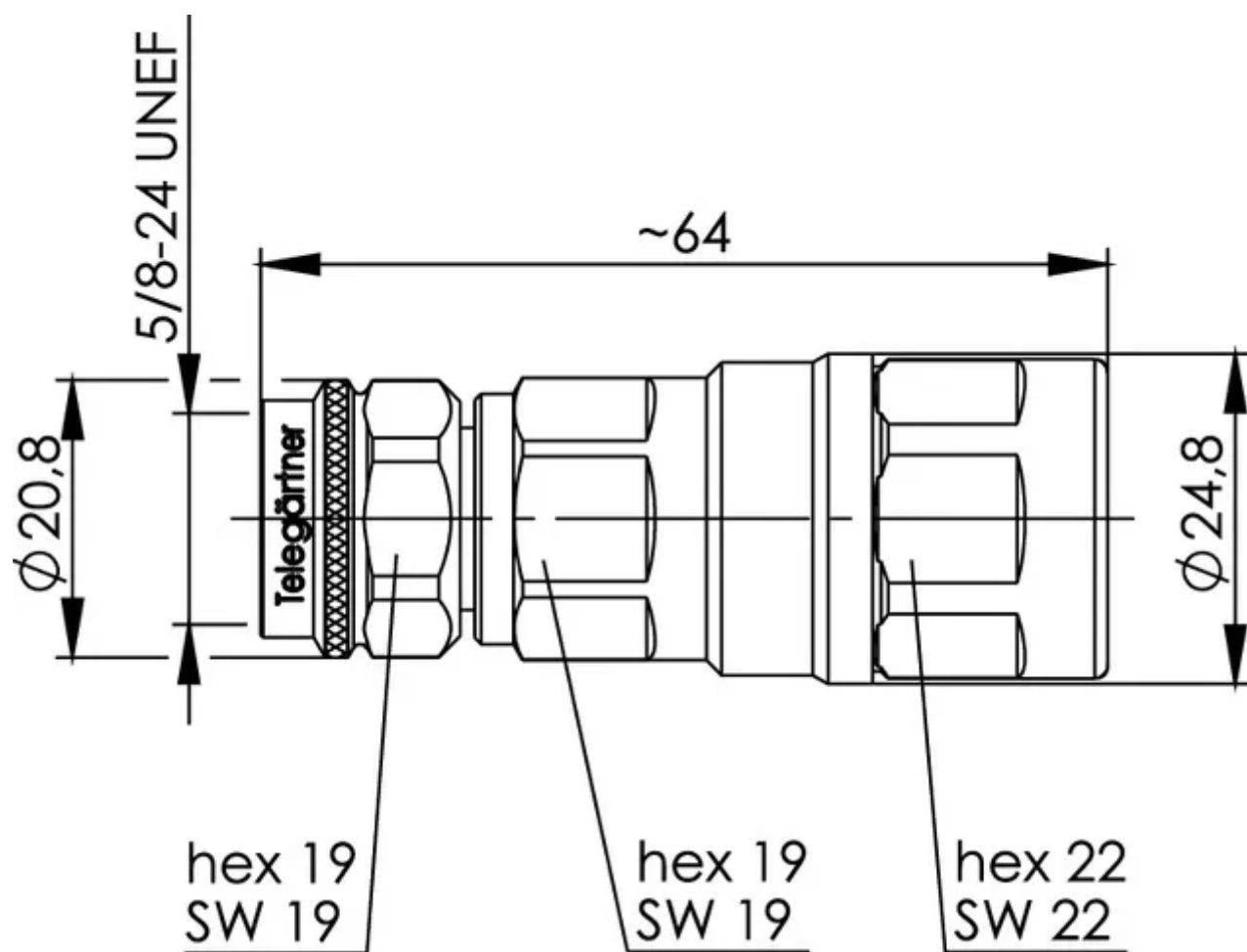
VSWR Measurement

Frequency	Return Loss
2000 MHz	≤ 36 dB
4000 MHz	≤ 32 dB
6000 MHz	≤ 28 dB

Physical Specification

Cable Group:	1/2 Corrugated	Contact Material:	Copper Alloy
Body Material:	Brass	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Body Plating:	CuSnZn3	Min. Operating Temperature:	-40 °C
Insulator Material:	Topas COC	Max. Operating Temperature:	85 °C
Dimensions:	64 x 24.8	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

Drawing



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