

# Telegärtner 4.3-10 straight jack, clamp/clamp, G21 (1/2"), SIMFix Pro

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## Description

The Telegärtner 4.3-10 straight jack, known for its robust design and reliable performance, is a high-quality coaxial RF connector used in telecommunications and data communications. This connector is ideal for applications requiring low passive intermodulation (PIM) levels, making it suitable for high-frequency signal transmission in mobile network infrastructure. It supports a frequency range from 0 to 6 GHz, ensuring optimal signal integrity across various communication systems.

Designed for use with 1/2" corrugated cable types, this connector employs a cable-clamp attachment mechanism that ensures a secure and stable connection. Its brass construction with CuSnZn3 plating and inner copper alloy contacts with copper-silver alloy plating contribute to efficient electrical conductivity and durability. The connector is engineered to withstand over 100 mating cycles, ensuring long-term performance stability.

With an insulation resistance...

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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
4.3-10 Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 0.5 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 2500 \text{ Vrms}$

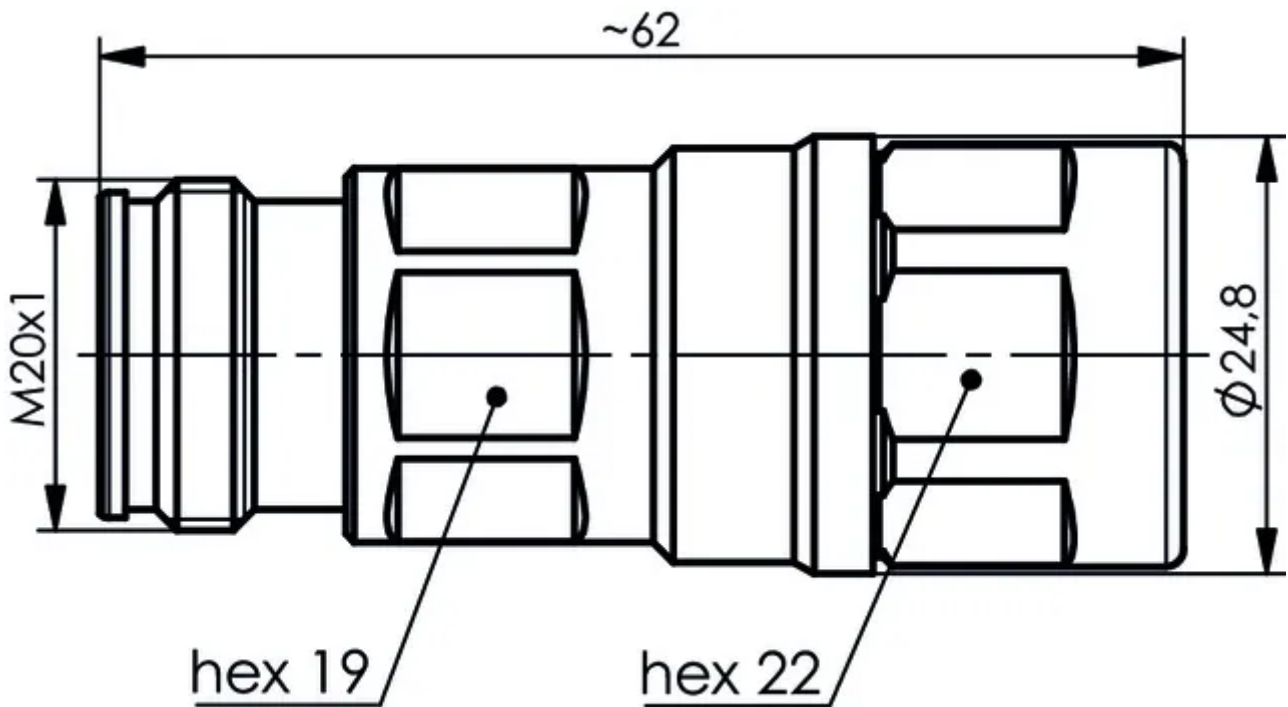
## VSWR Measurement

Frequency	Return Loss	Insertion Loss
2000 MHz	$\leq 36 \text{ dB}$	0.1 dB
4000 MHz	$\leq 32 \text{ dB}$	0.1 dB
8000 MHz	$\leq 28 \text{ dB}$	0.1 dB

## Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy
Body Plating:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	Topas COC	Min. Operating Temperature:	-40 °C
Dimensions:	62 x 24.8	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 100

## Drawing



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