

# Telegartner 4.3-10 straight plug, Screw Type, clamp/clamp, G23 (1/2" Flex), SIMFix Pro

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## Description

The Telegartner 4.3-10 straight plug is a high-performance coaxial RF connector designed for use in telecommunications and data communication systems. It is ideal for applications requiring reliable signal transmission and minimal interference, such as base stations and wireless infrastructure. This connector is compatible with 1/2" flexible corrugated cables, providing a secure connection through its screw-type, clamp-clamp attachment. The robust design ensures durability, with a brass body and white bronze plating for corrosion resistance, while the copper alloy inner contacts ensure excellent conductivity.

Engineered to operate within a frequency range of 0 to 6.0 GHz, the connector maintains a low VSWR of  $\leq 1.03:1$  and a return loss of  $\leq 36$  dB at 2000 MHz, ensuring minimal signal loss. Its third-order Passive Intermodulation (PIM) rating of  $\leq -155$  dBc highlights its suitability for high-frequency applications where signal integrity is...

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## Telegartner

As 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 ...

# RF Connector Interface

<b>RF Interface</b>	<b>Body Shape</b>	<b>Mounting</b>
4.3-10 Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1\text{ m}\Omega$
Peak Power:	0.1 kW	Insulation Resistance:	$\geq 5000\text{ m}\Omega$
PIM, 3rd Order:	$\leq -155\text{ dBc}$	Outer Contact Resistance:	$\leq 0.5\text{ m}\Omega$
		RF Operating Voltage:	$\leq 1000\text{ Vrms}$

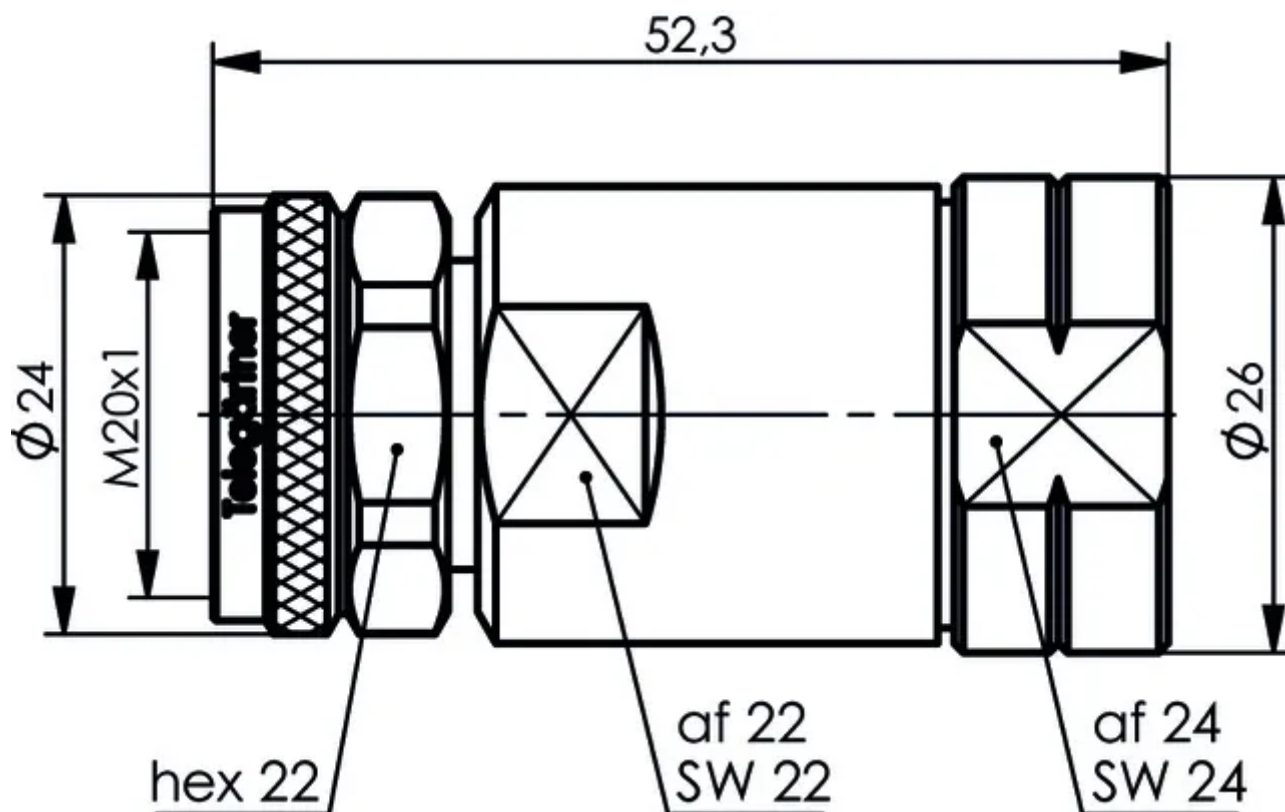
### VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
2000 MHz	$\leq 1.03:1$	$\leq 36\text{ dB}$	0.1 dB

## Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy, Brass
Body Plating:	White Bronze	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon		
Dimensions:	56.2 x 24	Min. Operating Temperature:	-40 °C
Weight:	134 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 100

## Drawing



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