

# Telegartner 4.3-10 straight jack, clamp/clamp, G24 (7/8"); G52 (7/8" Alu), SIMFix CA-Pro

SKU: ACC-TG-00012

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## Description

The Telegärtner 4.3-10 Straight Jack is a high-performance RF connector designed for use with 7/8" corrugated cables, offering robust connectivity in telecommunications and data communications systems. Its straight body and free-hanging mounting style make it ideal for applications requiring durable, reliable connections in challenging environments. This connector is engineered to support a frequency range of 0 to 6.0 GHz, making it suitable for a variety of RF and microwave applications, including mobile communications, broadcast systems, and network infrastructure.

Constructed with a brass body and a copper-silver alloy plating, it ensures excellent conductivity and corrosion resistance, while the PTFE/Teflon insulator provides superior electrical insulation. Capable of withstanding over 500 mating cycles, it offers long-lasting performance even under frequent use. The connector maintains a low 3rd order PIM rating of  $\leq -155$  dBc...

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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 Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 1 mΩ
PIM, 3rd Order:	≤ -155 dBc	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 0.5 mΩ
		RF Operating Voltage:	≤ 2500 Vrms

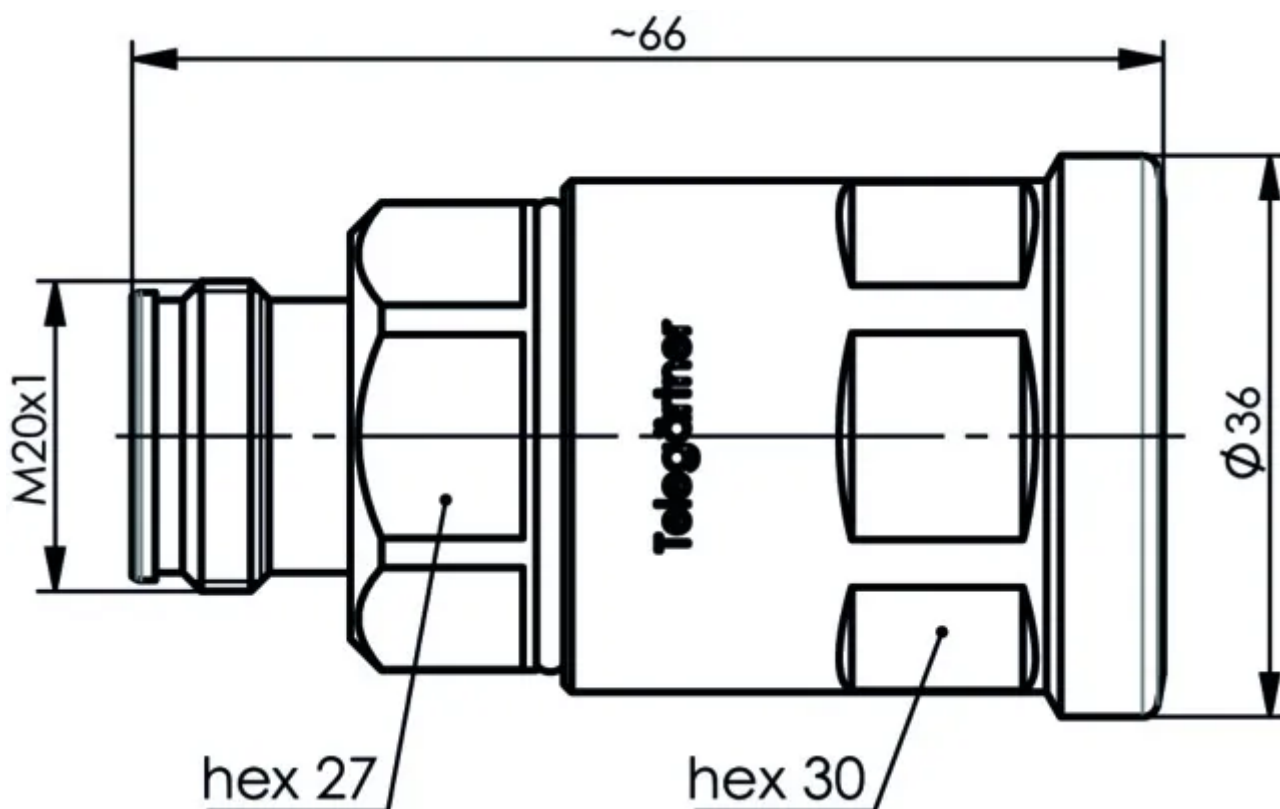
### VSWR Measurement

Frequency	Return Loss
2000 MHz	≤ 36 dB
4000 MHz	≤ 27 dB
6000 MHz	≤ 25 dB

## Physical Specification

Cable Group:	7/8 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Brass, Copper Alloy
Body Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	66 x 36	Max. Operating Temperature:	85 °C
Weight:	140 g	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

## Drawing



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