

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

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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 ≤ -155 dBc...

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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:	$\leq 2500 \text{ Vrms}$

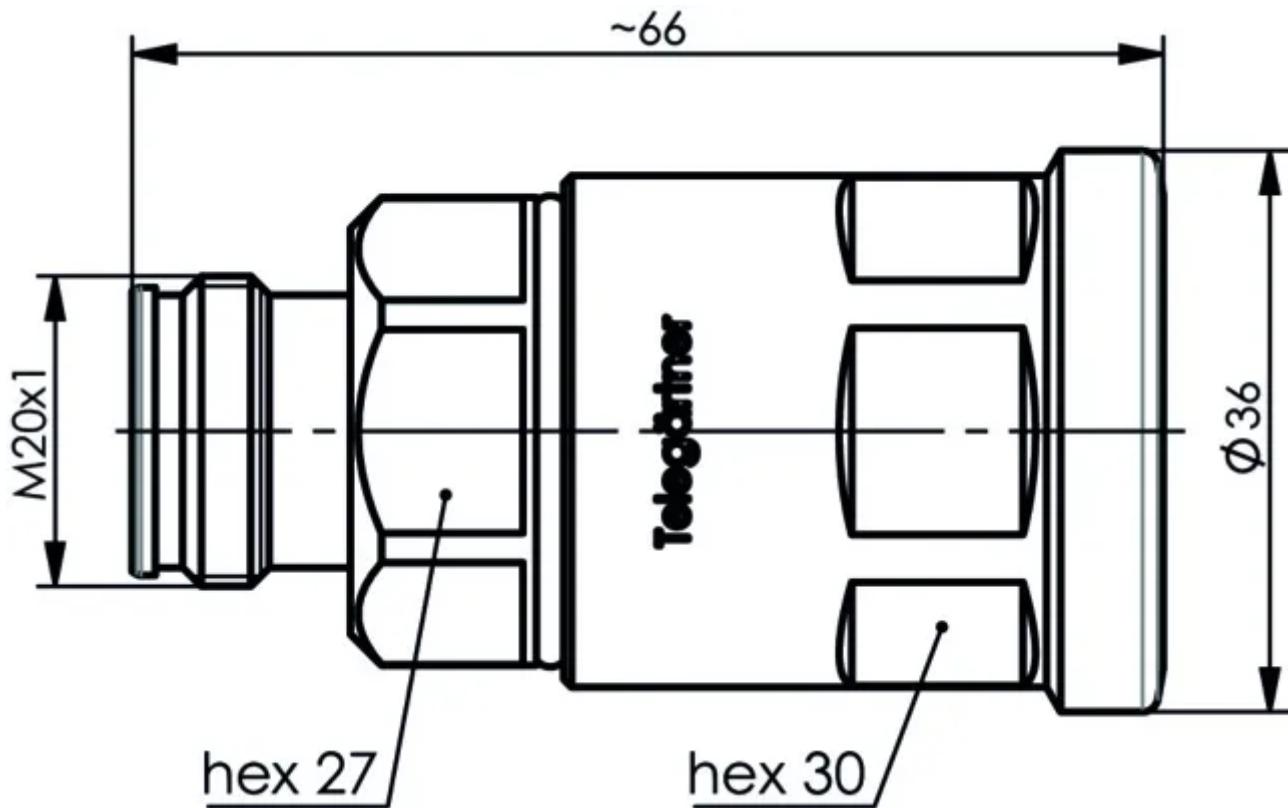
VSWR Measurement

Frequency	Return Loss
2000 MHz	$\leq 36 \text{ dB}$
4000 MHz	$\leq 27 \text{ dB}$
6000 MHz	$\leq 25 \text{ dB}$

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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