

Telegärtner 7-16 Straight Jack SIMFix CA-Pro G24 (7/8"); G52 (7/8" Alu)

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Description

The Telegärtner 7-16 Straight Jack SIMFix CA-Pro is a high-performance coaxial RF connector designed for demanding telecommunications applications. Specifically engineered for 7/8" corrugated cables, this 7/16 DIN Female connector ensures reliable signal transmission in RF systems operating up to 3.0 GHz. Its robust construction utilising brass and copper alloys, with additional copper-silver and copper-nickel plating, enhances conductivity and durability. The connector's polyethylene insulator ensures high electrical insulation, optimising performance across varying conditions.

Ideal for environments requiring frequent connections and disconnections, the connector supports over 500 mating cycles. It handles peak power levels of up to 2 kW and operates efficiently within a temperature range of -40 °C to 85 °C, making it suitable for both indoor and outdoor installations. The connector's PIM rating of ≤ -155 dBc ensures minimal...

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RF Connector Interface

RF Interface	Body Shape	Mounting
7/16 DIN Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	3 GHz	Inner Contact Resistance:	$\leq 0.4 \text{ m}\Omega$
Peak Power:	1.8 kW	Outer Contact Resistance:	$\leq 0.2 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	RF Operating Voltage:	$\leq 2700 \text{ Vrms}$

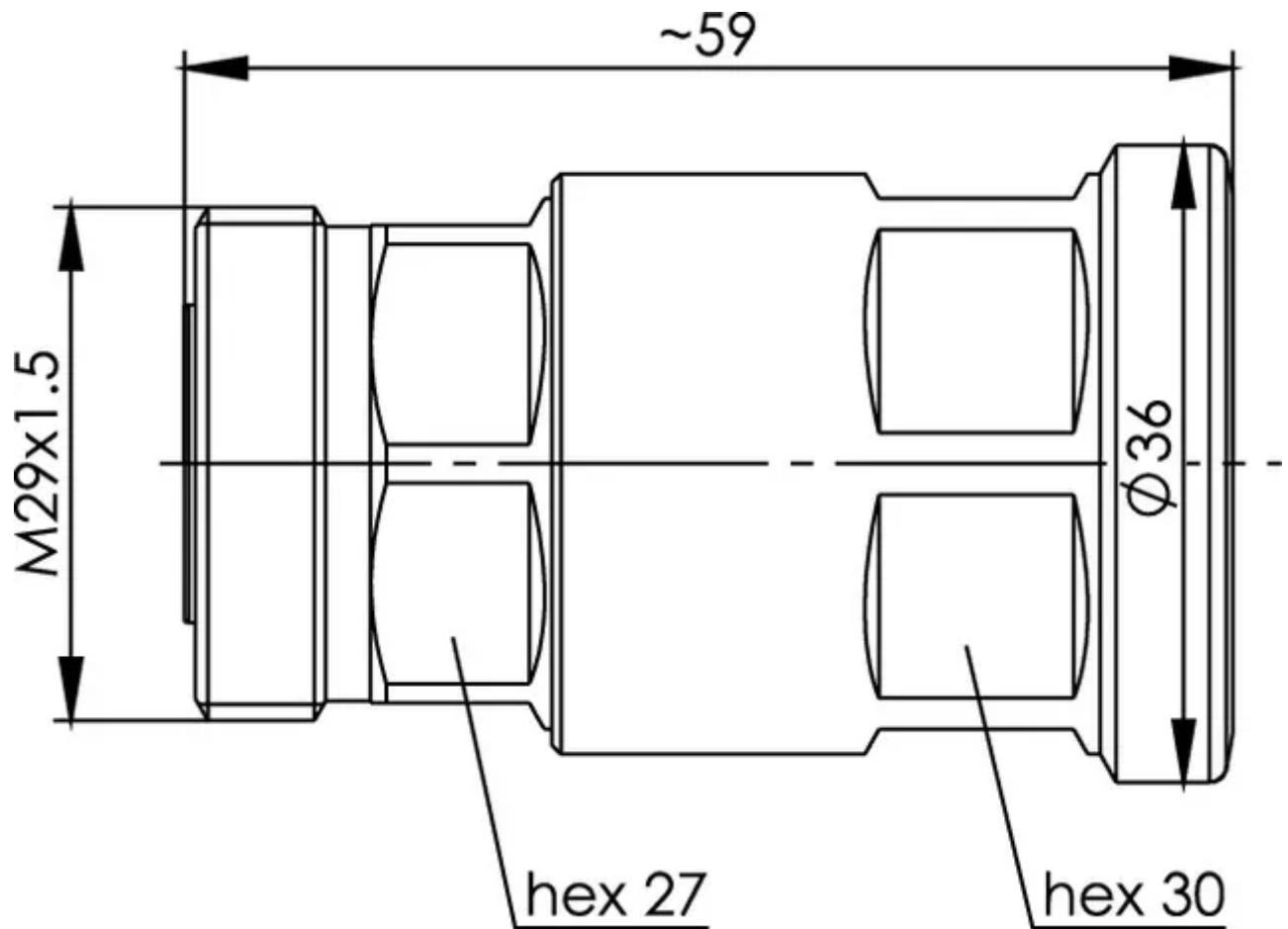
VSWR Measurement

Frequency	Return Loss
900 MHz	$\leq 40 \text{ dB}$
1600 MHz	$\leq 21 \text{ dB}$

Physical Specification

Cable Group:	7/8 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Copper Alloy, Brass
Insulator Material:	Polyethylene (PE)	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3), Copper-Nickel
Dimensions:	59 x 36	(Cu2Ni5)	
Weight:	150 g	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	RoHS	Max. Operating Temperature:	85 °C
		Ingress Protection:	IP68
		Mating Cycles:	> 500

Drawing



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