

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

SKU: ACC-TG-00025

MPN: 100024463

## 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  $\leq -155$  dBc ensures minimal...

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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>
7/16 DIN Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	3 GHz	Inner Contact Resistance:	≤ 0.4 mΩ
Peak Power:	1.8 kW	Outer Contact Resistance:	≤ 0.2 mΩ
PIM, 3rd Order:	≤ -155 dBc	RF Operating Voltage:	≤ 2700 Vrms

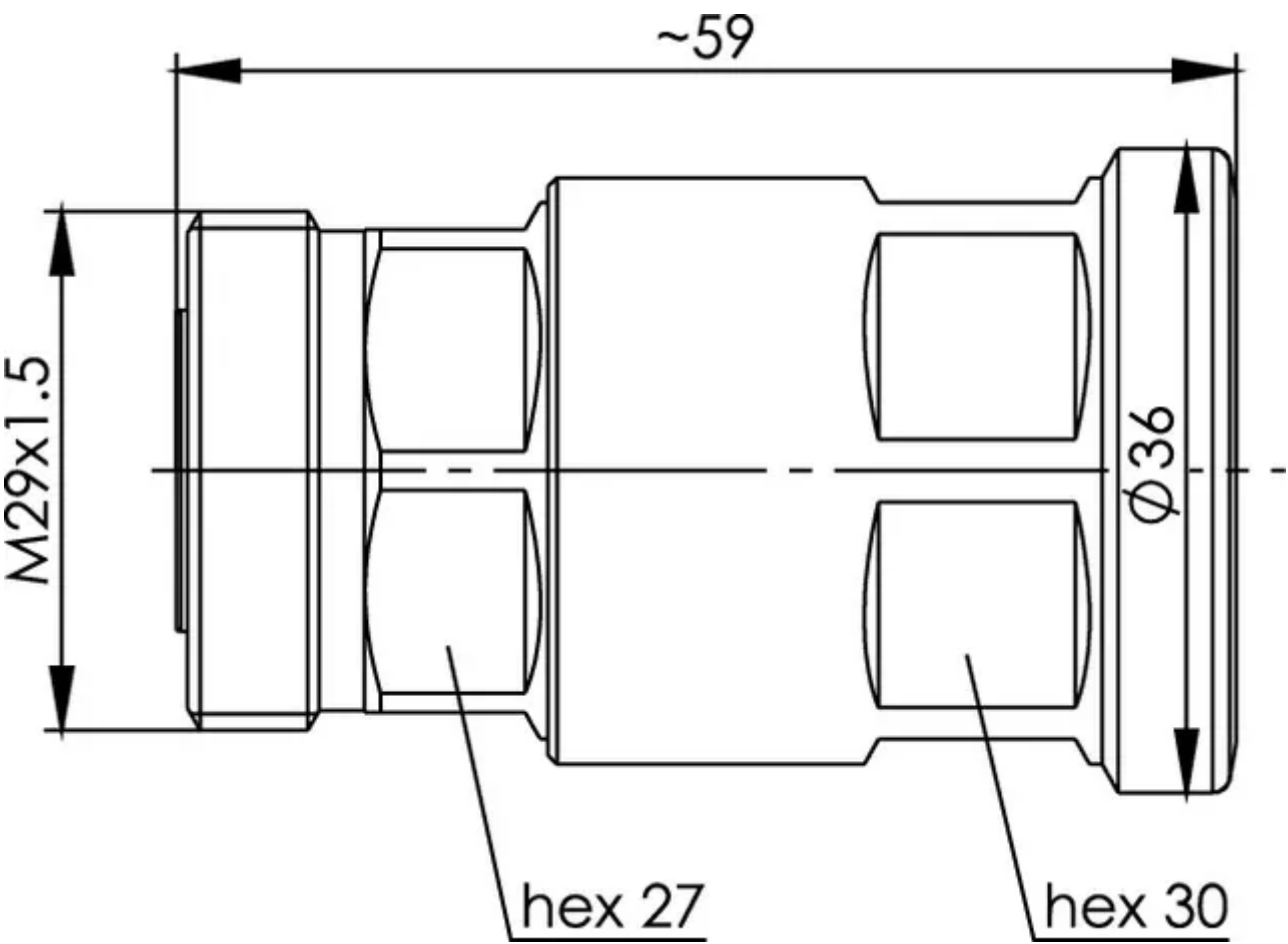
### VSWR Measurement

Frequency	Return Loss
900 MHz	≤ 40 dB
1600 MHz	≤ 21 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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