

# Telegartner 7-16 Straight Plug G23 (1/2" Flex)

SKU: ACC-TG-00020

MPN: 100024409

## Description

The Telegärtner 7-16 Straight Plug G23 is a high-performance coaxial RF connector designed for demanding telecommunications and data communications applications. This 7/16 DIN Male connector is engineered to attach seamlessly to 1/2" corrugated cables, utilizing a robust cable crimping mechanism. It is ideal for use in environments requiring reliable connectivity and durable performance, such as base stations and antenna systems in cellular networks.

Crafted with a brass body and CuSnZn3 plating, along with copper alloy inner contacts plated with a copper-silver alloy, it ensures optimal conductivity and corrosion resistance. The PTFE/Teflon electrical insulator further enhances its stability under varying environmental conditions. This connector can endure over 500 mating cycles, offering longevity in high-use scenarios.

Operating efficiently across a frequency range of 0 to 3 GHz, it provides a low third-order Passive Intermodulation...

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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 Male	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:	≤ -112 dBc	RF Operating Voltage:	≤ 2700 Vrms

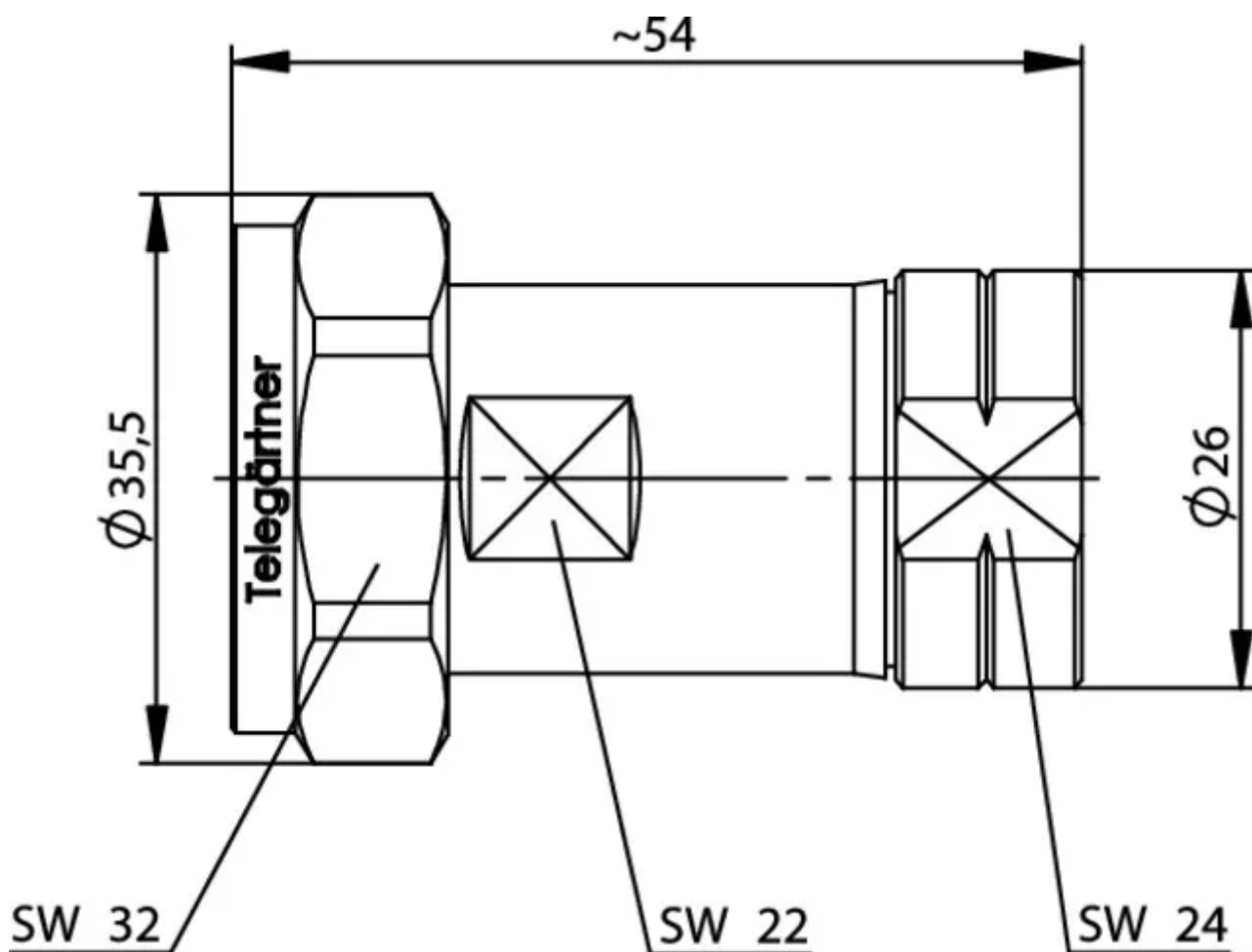
### VSWR Measurement

Frequency	Return Loss
1000 MHz	≤ 40 dB
2000 MHz	≤ 38 dB
3000 MHz	≤ 36 dB

## Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Copper Alloy
Body Plating:	CuSnZn3	Contact Plating:	Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3)
Insulator Material:	PTFE / Teflon		
Dimensions:	54 x 35.5	Min. Operating Temperature:	-40 °C
Weight:	161 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	RoHS	Ingress Protection:	IP68
		Mating Cycles:	> 500

## Drawing



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