

Telegärtner 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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Since the company was set up in 1945 Telegärtner has seen steady growth and has continually expanded ...

RF Connector Interface

RF Interface	Body Shape	Mounting
7/16 DIN Male	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:	$\leq -112 \text{ dBc}$	RF Operating Voltage:	$\leq 2700 \text{ Vrms}$

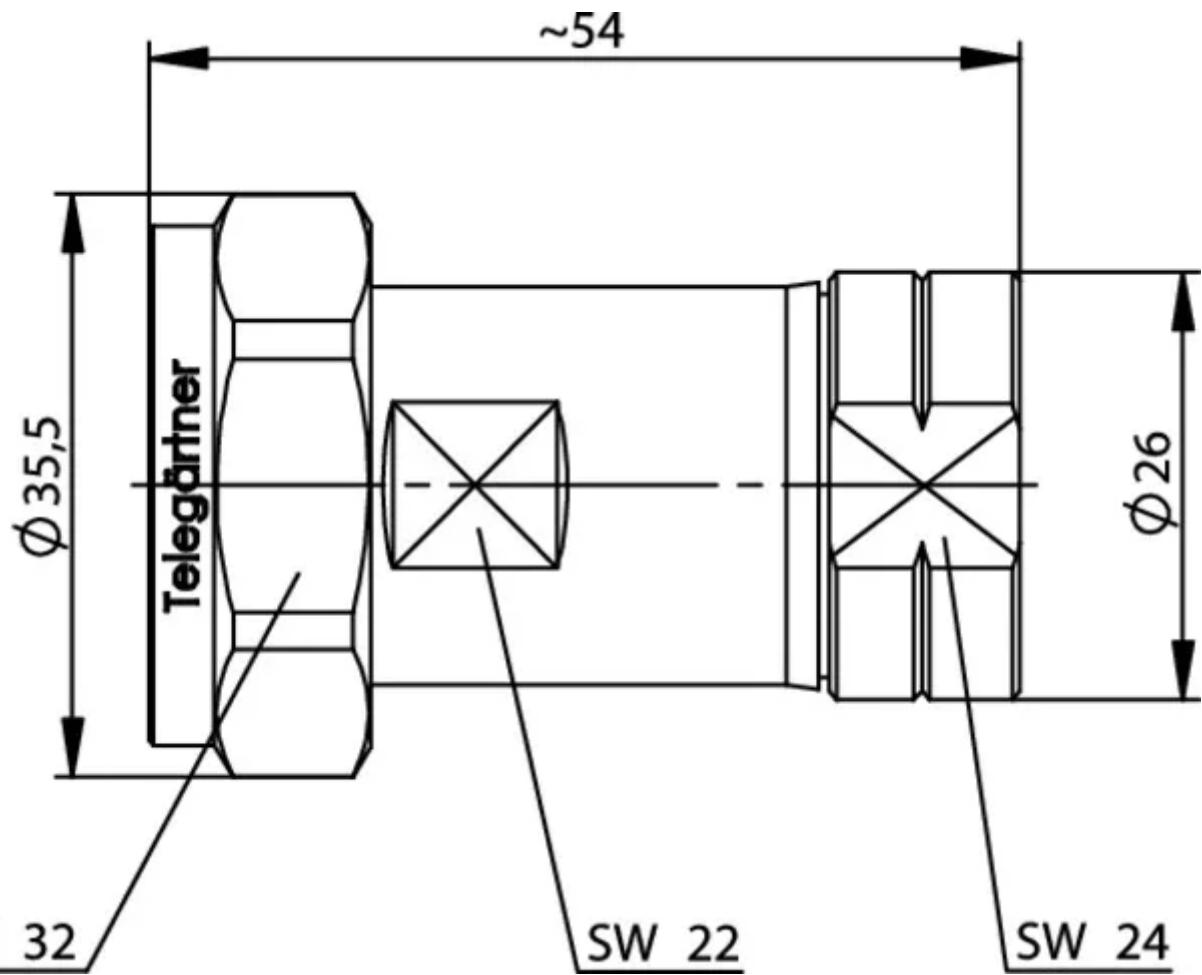
VSWR Measurement

Frequency	Return Loss
1000 MHz	$\leq 40 \text{ dB}$
2000 MHz	$\leq 38 \text{ dB}$
3000 MHz	$\leq 36 \text{ dB}$

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	Min. Operating Temperature:	-40 °C
Dimensions:	54 x 35.5	Max. Operating Temperature:	85 °C
Weight:	161 g	Ingress Protection:	IP68
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

Drawing



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