

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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[RF Connector Interface](#)



| RF Interface | Body Shape | Mounting |
|---------------|------------|--------------|
| 7/16 DIN Male | Straight | Free Hanging |

RF Specification

Telegärtner



As family-owned company the Telegärtner 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 Telegärtner has seen steady growth and has continually expanded ...

| | | | |
|------------------|------------|---------------------------|-------------|
| 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 |

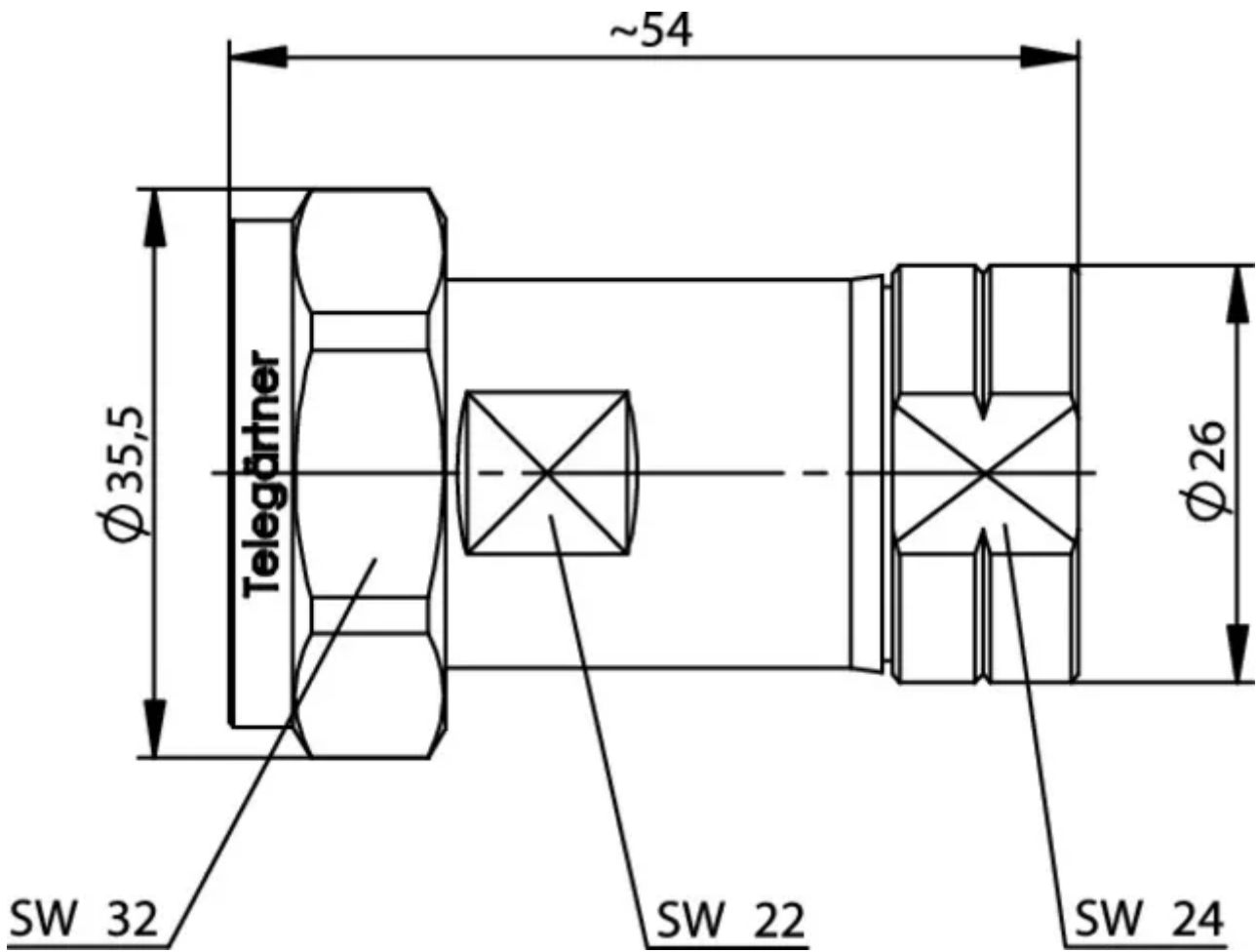
VSWR Measurement

| 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 | 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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