

Telegärtner 4.3-10 straight jack, clamp/clamp, G24 (7/8"); G52 (7/8" Alu), SIMFix CA-Pro

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Description

The Telegärtner 4.3-10 Straight Jack is a high-performance RF connector designed for use with 7/8" corrugated cables, offering robust connectivity in telecommunications and data communications systems. Its straight body and free-hanging mounting style make it ideal for applications requiring durable, reliable connections in challenging environments. This connector is engineered to support a frequency range of 0 to 6.0 GHz, making it suitable for a variety of RF and microwave applications, including mobile communications, broadcast systems, and network infrastructure.

Constructed with a brass body and a copper-silver alloy plating, it ensures excellent conductivity and corrosion resistance, while the PTFE/Teflon insulator provides superior electrical insulation. Capable of withstanding over 500 mating cycles, it offers long-lasting performance even under frequent use. The connector maintains a low 3rd order PIM rating of ≤ -155 dBc...

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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 ...

RF Connector Interface

| RF Interface | Body Shape | Mounting |
|---------------|------------|--------------|
| 4.3-10 Female | Straight | Free Hanging |

RF Specification

| | | | |
|------------------|------------|---------------------------|-------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 6 GHz | Inner Contact Resistance: | ≤ 1 mΩ |
| PIM, 3rd Order: | ≤ -155 dBc | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 0.5 mΩ |
| | | RF Operating Voltage: | ≤ 2500 Vrms |

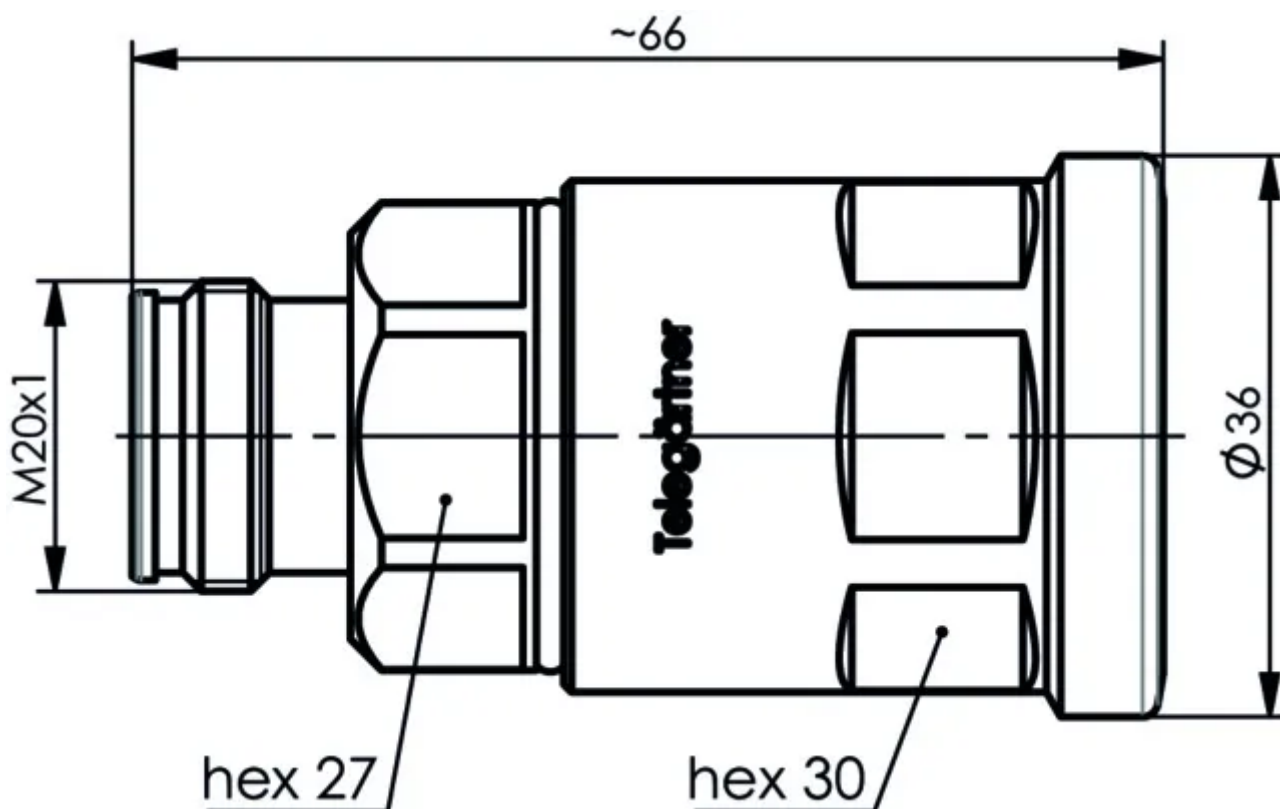
VSWR Measurement

| Frequency | Return Loss |
|-----------|-------------|
| 2000 MHz | ≤ 36 dB |
| 4000 MHz | ≤ 27 dB |
| 6000 MHz | ≤ 25 dB |

Physical Specification

| | | | |
|----------------------------|---------------------------------------|-----------------------------|---------------------------------------|
| Cable Group: | 7/8 Corrugated | Conductor Attachment: | Cable, Captivated |
| Body Material: | Brass | Contact Material: | Brass, Copper Alloy |
| Body Plating: | Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3) | Contact Plating: | Copper-Silver Alloy (Cu2Ag5 / Cu2Ag3) |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -40 °C |
| Dimensions: | 66 x 36 | Max. Operating Temperature: | 85 °C |
| Weight: | 140 g | Ingress Protection: | IP68 |
| Compliance/Certifications: | RoHS | Mating Cycles: | > 500 |

Drawing



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