

# Telegartner 4.3-10 to 4.3-10 (screw type) Jumper cable 1/2" IP68 Plug-Plug

SKU: ACC-TG-00023

MPN: 100010294

## Description

The Telegärtner 4.3-10 to 4.3-10 Jumper Cable (SKU: ACC-TG-00023, Part No: 100010294) is a high-performance RF cable designed for demanding applications in telecommunications and data communications. This 1/2" corrugated coaxial cable is ideal for integration into large antenna systems, particularly within passive Distributed Antenna Systems.

Featuring a robust solid corrugated copper outer conductor, the cable provides excellent shielding with 110 dB effectiveness and achieves low Passive Intermodulation (PIM) targets, rated at -166 dBc. The cable's connectors are both 4.3-10 Male with a straight body and free-hanging mounting style, ensuring easy and secure connections. Designed to withstand multiple mating cycles, it supports reliable performance across a wide frequency range.

The cable exhibits superior electrical performance with Return Loss measurements of  $\leq 32.00$  dB at 450 MHz and 900 MHz,  $\leq 30.00$  dB at 1800 MHz and 2100 MHz, and  $\leq \dots$

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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 Specification

PIM, 3rd Order:	-166 dBc
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## VSWR Measurement

Frequency	Return Loss
450 MHz	≤ 32 dB
900 MHz	≤ 32 dB
1800 MHz	≤ 30 dB
2100 MHz	≤ 30 dB
2700 MHz	≤ 28 dB
3500 MHz	≤ 26 dB

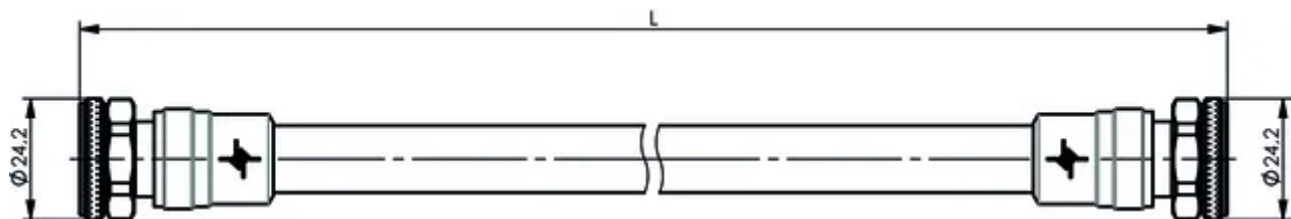
# Physical Specification

Subtype:	Jumper Cable
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## RF Connectors

RF Interface	Body Shape	Mounting
4.3-10 Male	Straight	Free Hanging
4.3-10 Male	Straight	Free Hanging

## Drawing



# 1/2 Corrugated

Min. Frequency:	0 GHz	Max. Frequency:	8.8 GHz
Impedance:	50	Shielding Effectiveness:	> 110 dB
Min. Bend Radius Static:	50 mm	Colour:	Black
Min. Bend Radius Dynamic:	125 mm	Weight (g/m):	220 g
Attenuation @ 1 GHz:	0.07 dB/m		

## Cable Layers

Layer	Diameter	Materials
Inner Conductor	4.80 mm	Copper Clad Aluminium (CCA)
Dielectric	12.30 mm	Foamed Polyethylene (EPE)
Outer Conductor	13.80 mm	Corrugated Copper Tube
Outer Jacket	15.70 mm	Polyethylene (PE)

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