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Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

CommScope 4m 1/2" Jumper Cable with 4.3-10 Male to 4.3-10 Male Connectors

SKU
ACC-CS-00057
MPN
F4-HMHM-4M-P

Description

The CommScope 4m 1/2" Jumper Cable (SKU: ACC-CS-00057, Part Number: F4-HM4M-P) is a robust RF cable designed for high-performance antenna systems. Featuring 4.3-10 Male connectors on both ends, this cable ensures reliable and secure connections. It is crafted from 1/2" corrugated coaxial cable, known for its durability and effectiveness in passive Distributed Antenna Systems (DAS). The cable boasts a 15.87 mm outer diameter with a 4.83 mm inner conductor, and a solid corrugated copper outer conductor that provides 110 dB shielding effectiveness while meeting low Passive Intermodulation (PIM) targets with a rating of -119 dBc.

This jumper cable is engineered to endure frequent mating cycles and operates efficiently across a wide frequency range. At 698 MHz, it offers a VSWR of $\leq 1.07:1$ and a Return Loss of ≤ 30.00 dB; at 2200 MHz, a VSWR of $\leq 1.08:1$ and a Return Loss of ≤ 28.00 dB; and at 3400 MHz, a VSWR of $\leq 1.22:1$ and a Return Loss...

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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

RF Specification

PIM, 3rd Order

-119 dBc

VSWR Measurement

Frequency	VSWR	Return Loss
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698 MHz	$\leq 1.07:1$	≤ 30 dB
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2200 MHz	$\leq 1.08:1$	≤ 28 dB
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3400 MHz	$\leq 1.22:1$	≤ 20 dB
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Physical Specification

Subtype

[Jumper Cable](#)

Length

4 m

RF Connectors

RF Interface	Body Shape	Mounting
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[4.3-10 Male](#) [Straight](#) [Free Hanging](#)

[4.3-10 Male](#) [Straight](#) [Free Hanging](#)

1/2 Corrugated

Min. Frequency

0 GHz

Impedance

50 Ω

Min. Bend Radius Static

50 mm

Min. Bend Radius Dynamic

125 mm

Attenuation @ 1 GHz

0.07 dB/m

Max. Frequency

8.8 GHz

Shielding Effectiveness

> 110 dB

Colour

Black

Weight (g/m)

220 g

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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