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-HMHM-4M-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 ≤ 1.07:1 and a Return Loss of ≤ 30.00 dB; at 2200 MHz, a VSWR of ≤ 1.08:1 and a Return Loss of ≤ 28.00 dB; and at 3400 MHz, a VSWR of ≤ 1.22:1 and a Return Loss...

Read More



CommScope

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
698 MHz	≤ 1.07:1	≤ 30 dB
2200 MHz	≤ 1.08:1	≤ 28 dB
3400 MHz	≤ 1.22:1	≤ 20 dB

Physical Specification

Subtype
Jumper Cable
Length
4 m
RF Connectors

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

RF Interface	Body Shape	Mounting
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)

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

