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## **CommScope F4HM-D 4.3-10 Male for 1/2 in FSJ4-50B cable**

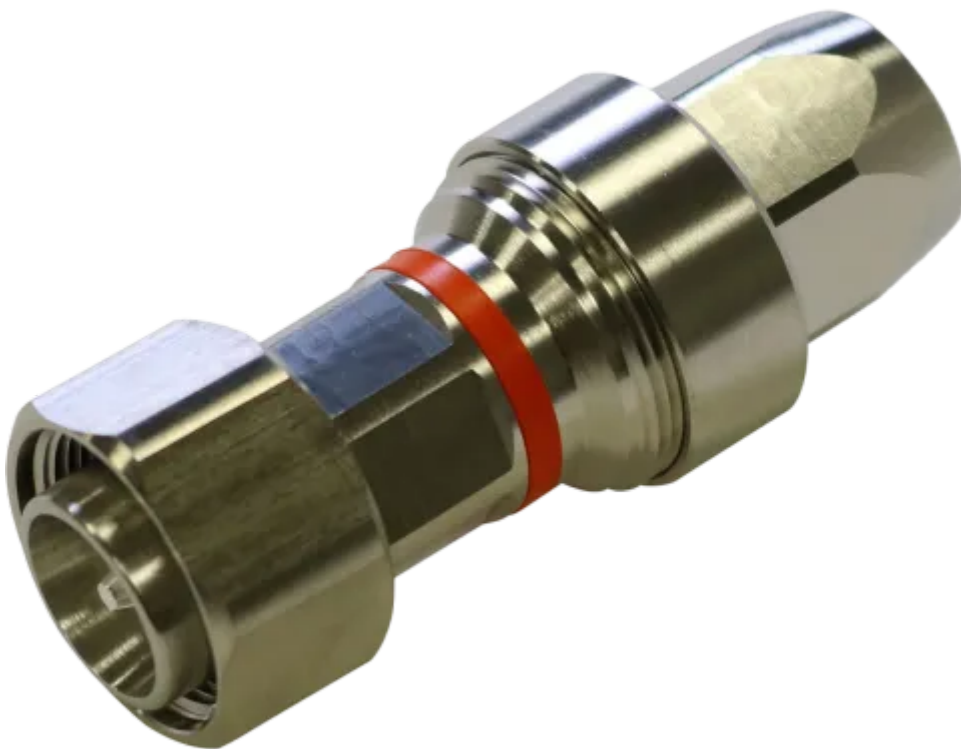
SKU  
ACC-CS-00119  
MPN  
F4HM-D

### **Description**

The CommScope F4HM-D 4.3-10 Male RF Connector, part number F4HM-D (SKU: ACC-CS-00119), is designed for 1/2 inch FSJ4-50B corrugated cables. This coaxial connector features a straight, free-hanging design and uses a captivated cable attachment mechanism. With dimensions of 62.48 x 24.89 mm and a weight of 100 g, its robust construction includes plated body and silver-plated inner contacts to ensure durability and high performance.

Engineered to withstand over 100 mating cycles, it operates within a temperature range of -55°C to 85°C and supports frequencies from 0 GHz to 7500 GHz. It boasts a third-order PIM rating of  $\leq -116$  dBc, with an inner contact resistance of  $\leq 1$  m $\Omega$  and an outer contact resistance of  $\leq 2$  m $\Omega$ . The connector maintains a 50  $\Omega$  input impedance and an insulation resistance of  $\geq 5000$  m $\Omega$ . Capable of handling a peak power of 23 kW and an RF operating voltage of  $\leq 884$  Vrms, it meets ISO 9001 and RoHS standards and adheres to...

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## [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 Connector Interface

### RF Interface Body Shape Mounting

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

## RF Specification

Start Frequency

0 GHz

Stop Frequency

7500 GHz

Peak Power

22.5 kW

PIM, 3rd Order

$\leq -116$  dBc

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 0.8$  m $\Omega$

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 1.5 \text{ m}\Omega$

RF Operating Voltage

$\leq 884 \text{ V}_{\text{rms}}$

VSWR Measurement

**Frequency VSWR Return Loss Insertion Loss**

1000 MHz  $\leq 1.02:1 \leq 40.09 \text{ dB}$  0.05 dB

## Physical Specification

Cable Group

[1/2 Corrugated](#)

Dimensions

62.48 x 24.89

Weight

100 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Mechanical Compliance

[IEC 60068-2-11: Salt Mist](#)

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[IEC 60068-2-27: Mechanical Shock](#)

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[IEC 60068-2-6: Vibration](#)

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[IEC 60068-2-14: Change of Temperature](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Plating

[Silver](#)

Min. Operating Temperature

-55 °C

Max. Operating Temperature

85 °C

Ingress Protection

[IP68](#)

Mating Cycles

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