

CommScope L4HF-D 4.3-10 Female for 1/2 in AL4RPV-50, LDF4-50A, HL4RPV-50 cable

SKU: ACC-CS-00060
 MPN: L4HF-D

Description

The CommScope L4HF-D 4.3-10 Female RF Connector is engineered for 1/2 inch corrugated cables such as AL4RPV-50, LDF4-50A, and HL4RPV-50. This high-quality connector features a straight body and free-hanging mounting style, ensuring reliable attachment with its cable-captivated mechanism. With dimensions of 80.52 x 25 mm and a weight of 101.75 g, it promises robust performance and ease of installation.

Constructed with a durable body and silver-plated inner contacts, the L4HF-D is built to endure over 100 mating cycles, operating effectively within a temperature range of -55 °C to 85 °C. It supports a broad frequency range from 0 to 8800 GHz, offering a 3rd Order PIM rating of ≤ -116 dBc. The connector ensures excellent electrical performance, with inner and outer contact resistances of ≤ 1 m Ω , and an input impedance of 50 Ω . It can handle a peak power of 23 kW and operates at an RF voltage of ≤ 884 Vrms.

Certified to ISO 9001 and RoHS...

[Read More](#)

[RF Connector Interface](#)



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

CommScope RF Specification

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 ...

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	8800 GHz	Inner Contact Resistance:	≤ 1 mΩ
Peak Power:	22.5 kW	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -116 dBc	Outer Contact Resistance:	≤ 1 mΩ
		RF Operating Voltage:	≤ 884 Vrms

VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
45 MHz	≤ 1.02:1	≤ 40.09 dB	0.05 dB
1000 MHz	≤ 1.03:1	≤ 36.61 dB	
2700 MHz	≤ 1.05:1	≤ 32.26 dB	
3800 MHz	≤ 1.11:1	≤ 25.96 dB	

Physical Specification

Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Dimensions:	80.52 x 25	Contact Plating:	Silver
Weight:	101.75 g	Min. Operating Temperature:	-55 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	85 °C
RoHS		Ingress Protection:	IP66
Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock	Mating Cycles:	> 100

IEC 60068-2-14: Change of Temperature

IEC 60068-2-6: Vibration

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.

