

# CommScope 78EZHM 4.3-10 Male EZfit Connector for 7/8" AVA5-50 and AVA5-50FX Cable

SKU: ACC-CS-00109

MPN: 78EZHM

## Description

The CommScope 78EZHM 4.3-10 Male EZfit Connector is designed for reliable performance with 7/8" AVA5-50 and AVA5-50FX coaxial cables. Featuring a straight, free-hanging design, this connector ensures easy installation with its cable-captivated attachment mechanism. It supports a wide operating frequency range from 0 to 5000 GHz, making it suitable for various RF applications. With a weight of 144.20 grams and dimensions of 51.99 x 37.01 mm, it is compact and robust.

Constructed with a durable body and silver-plated inner contacts, the connector endures harsh environments, complying with IEC standards for salt mist, temperature change, mechanical shock, and vibration. It withstands multiple mating cycles and operates efficiently within a temperature range of -45 °C to 85 °C. The connector maintains a 50 Ω impedance and offers excellent electrical performance, with a VSWR of  $\leq 1.11:1$  and an insertion loss of 0.05 dB at 800 MHz, and a VSWR...

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# RF Connector Interface

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

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	5000 GHz		
PIM, 3rd Order:	≤ -115 dBc		

### VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
800 MHz	≤ 1.11:1	≤ 25.96 dB	0.05 dB
4100 MHz	≤ 1.23:1	≤ 20 dB	

## Physical Specification

Cable Group:	7/8 Corrugated	Conductor Attachment:	Cable, Captivated
Dimensions:	51.99 x 37.01	Contact Plating:	Silver
Weight:	144.2 g	Min. Operating Temperature:	-45 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	85 °C
Mechanical Compliance:	IEC 60068-2-11: Salt Mist	Ingress Protection:	IP68

IEC 60068-2-14: Change of Temperature

IEC 60068-2-27: Mechanical Shock

IEC 60068-2-6: Vibration

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