

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

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## 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 ≤ 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

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Start Frequency: 0 GHz Input Impedance: 50

Stop Frequency: 5000 GHz

PIM, 3rd Order:  $\leq -115$  dBc

#### VSWR Measurement

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