

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

SKU: ACC-CS-00095

MPN: 78EZHF

## Description

The CommScope 78EZHF 4.3-10 Female EZfit Connector, designed for 7/8" AVA5-50 and AVA5-50FX cables, delivers reliable performance for RF applications. This connector features a straight, free-hanging body and utilises a cable-captivated attachment method for secure connections. Constructed with silver-plated inner contacts, it ensures optimal conductivity and durability.

With dimensions of 60.2 x 48.01 mm and a weight of 135.60 g, this connector supports up to 5000 GHz operating frequency, providing excellent versatility across a broad range of applications. It operates efficiently in temperatures from -45 °C to 85 °C and boasts a 3rd Order PIM rating of  $\leq -115$  dBc with an impedance of 50  $\Omega$ .

Performance metrics include a VSWR of  $\leq 1.23:1$  and a return loss of  $\leq 20.00$  dB at both 3800 MHz and 4200 MHz, with an insertion loss of only 0.05 dB. The connector complies with ISO 9001 and has been rigorously tested to IEC standards for salt mist...

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[RF Connector Interface](#)



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

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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
3800 MHz	$\leq 1.23:1$	$\leq 20$ dB	0.05 dB
4200 MHz	$\leq 1.23:1$	$\leq 20$ dB	0.05 dB

## Physical Specification

Cable Group: 7/8 Corrugated Conductor Attachment: Cable, Captivated

Dimensions: 60.2 x 48.01 Contact Plating: Silver

Weight: 135.6 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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