

CommScope AVA5-50FX, HELIAX(r) Andrew Virtual Air(tm) Coaxial Cable, corrugated copper, 7/8 in, black PE jacket - 250m

SKU: ACC-CS-00016

MPN: AVA5-50FX

Description

The CommScope AVA5-50FX HELIAX® Andrew Virtual Air™ Coaxial Cable is a 7/8-inch corrugated copper cable designed for high-performance RF applications. Enclosed in a durable black PE jacket, this cable is ideal for long-distance runs in large antenna systems, including Distributed Antenna Systems (DAS) and older UHF and cellular base stations. It features an outer diameter of 27.5 mm and a 9 mm inner conductor, ensuring robust construction and effective signal transmission.

With a solid corrugated copper outer conductor, the cable delivers 110 dB of shielding effectiveness and low Passive Intermodulation (PIM), making it suitable for demanding environments. It operates effectively within a frequency range of 1 GHz to 5,000 GHz and is designed to withstand multiple mating cycles.

The AVA5-50FX complies with ISO 9001 Quality Management and RoHS certifications, ensuring high quality and environmental safety. Performance-wise, it offers a VSWR...

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RF Specification

Start Frequency: 1 GHz Stop Frequency: 5000 GHz

VSWR Measurement

Frequency	VSWR	Return Loss
680 MHz	$\leq 1.13:1$	≤ 24.3 dB
800 MHz	$\leq 1.13:1$	≤ 24.3 dB
1700 MHz	$\leq 1.13:1$	≤ 24.3 dB

Physical Specification

Subtype: Cable Reel Length: 250 m

Compliance/Certifications: ISO 9001 Quality Management Weight: 410 g

RoHS

AVA5-50FX

Min. Frequency: 0 GHz Max. Frequency: 5 GHz

Impedance: 50 Colour: Black

Min. Bend Radius Static: 127 mm Weight (g/m): 410 g

Min. Bend Radius Dynamic: 254 mm

Cable Layers

Layer	Diameter	Materials
Inner Conductor	9.45 mm	Copper Tube
Dielectric	24.13 mm	Foamed Polyethylene (EPE)
Outer Conductor	25.40 mm	Corrugated Copper Tube
Outer Jacket	27.99 mm	Polyethylene (PE)

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