

# 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

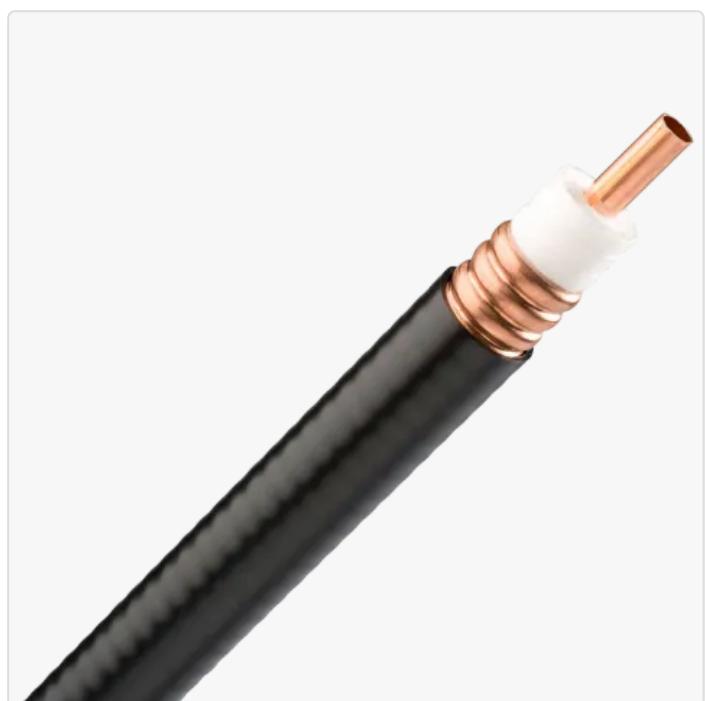
## Description

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	≤ 1.13:1	≤ 24.3 dB
800 MHz	≤ 1.13:1	≤ 24.3 dB
1700 MHz	≤ 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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