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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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CommScope

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what’s next and push the boundaries of ...

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
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

Length
250 m
Weight
410 g

AVA5-50FX

Min. Frequency
0 GHz
Impedance
50 Ω
Min. Bend Radius Static
127 mm
Min. Bend Radius Dynamic
254 mm
Max. Frequency
5 GHz
Colour
Black
Weight (g/m)
410 g
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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