

CommScope HELIAX Coaxial Cable 7/8", 50 ohm, Hollow Copper Inner - 250m

SKU: ACC-CS-00383
MPN: AVA5-50 250M

Description

The CommScope HELIAX 7/8" Coaxial Cable (SKU: ACC-CS-00383) is a robust solution for RF applications, featuring a 50-ohm impedance and hollow copper inner conductor. This 250-metre cable, part number AVA5-50 250M, is ideal for extensive runs in large antenna systems and is commonly used in Distributed Antenna Systems (DAS), UHF, and cellular base stations. The cable has a standard 27.5 mm outer diameter and a 9 mm inner conductor diameter, ensuring consistency across installations.

Designed with a solid corrugated copper outer conductor, this cable provides 110 dB shielding effectiveness and meets low Passive Intermodulation (PIM) targets, crucial for maintaining signal integrity. It operates effectively within a frequency range of 1 GHz to 5 GHz, making it versatile for various RF applications. With a weight of 410 grams, it is engineered to endure multiple mating cycles, ensuring long-term durability.

The cable complies with ISO 9001...

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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: RoHS Weight: 410 g

ISO 9001 Quality Management

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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