

# 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
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## 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:	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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