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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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[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
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680 MHz	$\leq 1.13:1$	≤ 24.3 dB
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800 MHz	$\leq 1.13:1$	≤ 24.3 dB
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1700 MHz	$\leq 1.13:1$	≤ 24.3 dB
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Physical Specification

Subtype

[Cable Reel](#)

Compliance/Certifications

[RoHS](#)

,

[ISO 9001 Quality Management](#)

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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