

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...

[Read More](#)



COMMSCOPE®

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 | $\leq 1.13:1$ | ≤ 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) |

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

