Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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 (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
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)

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.

