

ACCELERATE YOUR NETWORK'S GROWTH AND CAPABILITIES WITH C-BAND



For decades, mobile network operators (MNOs) have grown more agile, adapting their networks to meet the growing demands for more data capacity, faster speeds and leaner budgets. The development of new spectrum—and advances in radio access network (RAN) technologies and architectures such as RRUs and mMIMO—have been critical enablers. At the same time, they've placed added pressure on the cabling infrastructures for macro and small cells.

ANDREW® HELIAX® Virtual Air™ (AVA) coaxial feeder cabling has helped enable many of the advances in mobile network design.

- Compact and flexible, it's allowed MNOs and installers to combat the effects of increased loading and congestion at the top of the tower.
- PIM performance enables use of ever-higher, more noise-sensitive frequency bands.
- ANDREW's global production and distribution network allows operators to have the cabling and connectivity solutions needed—when and where they are needed.

Now, as MNOs migrate to more 5G-enabling services like C-band, they face new, more difficult challenges in balancing RF path performance and operational efficiency. ANDREW helps you respond with a more evolved coaxial feeder cable alternative.

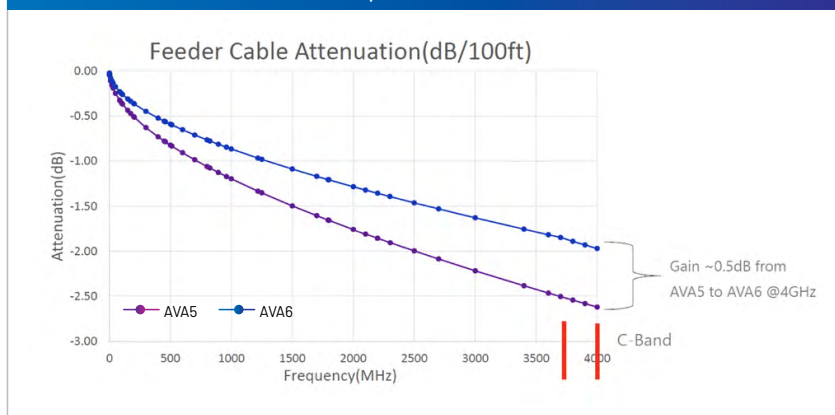
MEET THE HELIAX® AWA6 C-BAND COAXIAL FEEDER CABLE

ANDREW HELIAX AWA5 and AWA6 C-band coaxial feeder cables deliver all the performance and value of the legacy HELIAX AWA products, with one important difference: Now, C-band has been enabled. Additionally, the AWA6 C-band coaxial feeder cable is uniquely optimized and tested to deliver a 0.5 dB gain in performance over AWA5—enabling MNOs to get even more from their C-band investment.

Both HELIAX AWA5 and AWA6 C-band coaxial cables are engineered, manufactured, and tested for use within the 3.45–4.2 GHz frequency band. Both are ideal for use in DoD, C-band and CBRS spectrum applications. They also deliver the same great -119 dB PIM performance and allow for fast, easy connectivity.

The difference? For applications requiring minimal attenuation, HELIAX AWA6 C-band coaxial cable provides an extra 0.5 dB of performance.

AWA5—AWA6 Attenuation Comparison



ADVANCE WITH HELIAX® AVA LOW-LOSS FEEDER CABLES AND KEEP YOUR 5G NETWORK MOVING

Optimized performance:

- 0.5 dB gain performance of AVA6 vs AVA5
- Optimized for C-band
- Ideal for low-PIM applications

Simplified deployment:

- Supports 4.3-10, 7-16, and type N connectors (male and female)
- WebTrak® system enabled for fast online performance verification
- Lower loss for longer runs
- Flexible, compact design enables routing in tight spaces

Future-ready:

- Supports easy upgrade to C-band, DoD, CBRS
- Optimized for small cell application
- Factory tested

Part number	Description	Cable size
AVA5P-50-C	AVA5-50, HELIAX® Virtual Air™ coaxial feeder cable, corrugated copper, 7/8", black PE jacket (halogen-free jacketing non-fire-retardant) tested C-band and CBRS qualified	7/8"
AVA6P-50-C	AVA6-50, HELIAX® Virtual Air™ coaxial feeder cable, corrugated copper, 1-1/4", black PE jacket (halogen-free jacketing non-fire-retardant) tested C-band and CBRS qualified	1-1/4"

The HELIAX AVA family of products is the result of ANDREW's 85+ years of RF cabling design excellence and global R&D capabilities. We go to exhaustive lengths—extensive simulation, prototyping and environmental testing—to deliver the best possible performance and reliability. We support that commitment to quality with customized counseling and technical support services to help you develop the best approach for optimizing your network.

For more information on HELIAX AVA5 or HELIAX AVA6 C-band coaxial feeder cables, contact your local ANDREW representative.