

Cable Assemblies up to 110 GHz



TECHNICAL SPECIFICATIONS

- **Frequency range**
DC to 110 GHz continuous coverage
- **Insertion loss**
Low insertion loss across the entire operating band
- **Construction**
Flexible dielectric materials supporting both rigid and semi-rigid designs
- **Lead times**
Competitive delivery for standard and semi-custom assemblies
- **Connector interface**
1mm male and female configurations
- **Impedance matching**
Controlled impedance for minimal VSWR performance degradation
- **Customization**
Customizable lengths and connector configurations available

APPLICATIONS

5G/6G Test & Measurement: Signal routing in RF characterization and system validation laboratories

mmWave Communications: Interconnection of transceiver modules, LNAs, and HPAs in phased-array systems

Satellite & Space Systems: SATCOM uplink/downlink chain integration with thermal stability requirements

Defense & Radar: Secure signal distribution in military-grade RF systems and sensing platforms

Automotive Radar: Connection of automotive millimeter-wave sensor components

Research & Academia: THz frequency extension studies and advanced wireless prototyping