

INTRODUCING 4.3-10 RF CONNECTORS AND CABLE ASSEMBLIES

- Improved PIM performance
- Space savings



4.3-10 RF interconnects are the newest addition to TE's portfolio of rugged input/output (I/O) connectors and cable assemblies for communication infrastructure. These new products are about 35% smaller and 60% lighter than existing 7-16 RF interconnects, saving space and allowing for easier handling during installation.

KEY BENEFITS

- Improved passive intermodulation (PIM) over existing products at -160 dB performance
- Improved return loss over existing products
- Compact interface that is about 35% smaller than 7-16 RF products allows customers to keep up with the trend of miniaturization
- About 60% lighter than larger interface connectors in the market, allowing for easier handling
- Lower torque than existing products
- Screw mechanical connections available that attach to one standardized universal jack
- TE offers the ability to customize the connector and cable assembly to address customer needs, including enhanced ruggedization

APPLICATIONS

- Distributed Antenna Solutions (DAS)
- Mobile network equipment
- Small cell equipment
- Base Transceiver Station (BTS)
- Antenna and Remote Radio Unit (RRU)

LEARN MORE

[Standard & Customized RF Connectors Landing Page](#)

[RF Coaxial Connectors Quick Reference Guide \(QRG\)](#)

[RF Coaxial Connectors Parts List](#)

ELECTRICAL

- Impedance: 50 Ohm
- Frequency Range: DC to 6 GHz
- Intermodulation (PIM): -160 dBc
- RF Power Handling: 500 W at 2 GHz

MECHANICAL

- Axial Force Type: 100N for push pull
- Separation type: 80N
- Torque: $\geq 5\text{Nm}$

MATERIALS

- Body: Brass
- Center Contact: Brass/beryllium copper
- Insulator: PTFE
- O-ring (if available): Silicone

STANDARDS & SPECIFICATIONS

- Meets IEC 61169-54
- Sealing: IPX8
- Environmental test per IEC 61169-1:2013