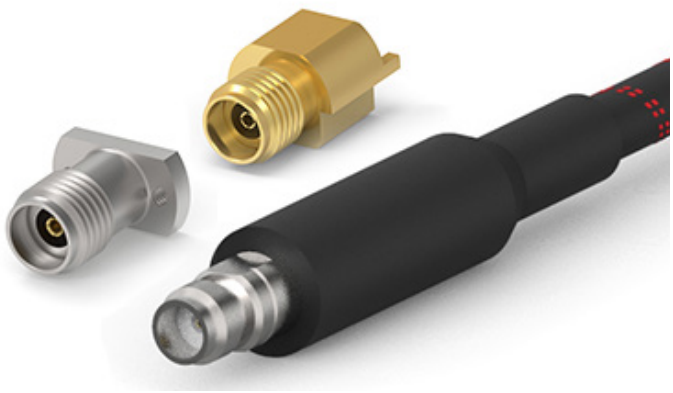
INTRODUCING

# HIGH FREQUENCY RF CONNECTORS AND TESTING CABLE ASSEMBLIES

- **Outstanding performance**
- **Competitive price and fast delivery**



TE Connectivity's new high frequency RF connectors and testing cable assemblies support up to 67 GHz and can provide the reliable, high performance required by test & measurement and other demanding applications. This new RF product line is one of the highest performing in the industry, with extremely low insertion loss and VSWR, and are compatible with other RF vendors. We make it easy to get these products fast, with competitive pricing and fast delivery.

## KEY BENEFITS

- Provide outstanding performance at high frequencies up to 67 GHz with extremely low insertion loss and VSWR
- Enable competitive pricing and fast delivery with our engineering and manufacturing expertise and global footprint
- Broad standard portfolio of 3.5mm, 2.92mm, 2.40mm and 1.85mm RF connectors and related testing cable assemblies available
- Connectors and cable assemblies can be customized to meet many customer needs

## APPLICATIONS

- ATE (Automated Test Equipment)
- Bench Top
- Module
- Medical monitoring devices
- Automotive radar

## LEARN MORE

RF Connector Landing Page
RF Connector Parts List

## ELECTRICAL

### RF Connectors

- Frequency: 67 GHz max.
- Insulation Resistance: 5000 milliohms min.
- Contact Resistance (Center/Outer Contact): 3.0/2.0 milliohms max.
- Voltage Rating: 335 V RMS max.
- Dielectric Withstand Voltage: 1000 V RMS max.
- Insertion Loss: 0.05 to 0.1*SQRT(F) dB max.
- VSWR: 1.5 max.

### Cable Assemblies

- Frequency: 67 GHz max.
- Typical Insertion Loss: 2.9 to 7 dB/m
- VSWR: 1.3 max.
- Typical Phase Stability: ±5 degrees
- Typical Amplitude Stability: ±0.1 to ±0.5 dB

## MECHANICAL

### RF Connectors

- Recommended Coupling Torque: 7 to 10 In-lbs
- Mating Force: 2.0 In/lbs max.
- Center Contact Captivation Axial: 6.0lbs
- Mating Cycles: 500

### Cable Assemblies

- Temperature Range: -40 to 85°C
- Minimum Bend Radius (Static): 20 – 54 mm
- Minimum Bend Radius (Repeated): 50 – 108 mm

## MATERIALS

- See product drawings

STRADA Whisper, TE Connectivity, TE and TE connectivity (logo) are trademarks.