



**RF Connectors + Cable Assemblies**

BUILT TO ENDURE.  
ENGINEERED TO  
PERFORM.

Connectivity Solutions for defence and aerospace



# RELIABLE RF CONNECTIVITY FOR MISSION-CRITICAL DEFENCE APPLICATIONS

Military RF connectors are engineered to ensure secure and reliable signal transmission across defence and aerospace platforms. Built to meet strict MIL-SPEC requirements, they deliver outstanding performance under extreme mechanical, thermal, and environmental stress - essential for communication, radar, and electronic warfare systems.



RADAR



DRONES



JAMMERS



TELECOMMUNICATION

## Key Features:

- Durability in Harsh Conditions:** Designed to meet military specifications (MIL-SPEC) and withstand extreme temperatures, vibration, and shock in vehicles, aircraft, unmanned systems, and naval vessels.
- Environmental Sealing:** Many of our ruggedised connectors feature protection against sand, dust, salt spray, moisture, and chemicals – ensuring stable performance in the toughest environments.
- Compliance with Military Standards:** Many variants are manufactured in accordance with MIL-STD-348, MIL-PRF-39012, MIL-PRF-55339, and MIL-PRF-83517 to guarantee reliability in high-frequency and mission-critical applications. All versions are RoHS-compliant..

## MIL-PRF-39012 CONNECTORS WITH INTERFACE ACCORDING TO MIL-STD-348

Frequency	Up to 4 GHz	4 – 8 GHz	8 – 12 GHz	12 – 18 GHz	18 – 40 GHz
Connector Series	BNC 50Ω UMcc (U.FL) SMB UHF	MCX MMCX	N TNC 50Ω BNC 75Ω	N (optimized) SMP	SMA (2.92)* SMP* SMPM*

\* in the works

# HIGH-QUALITY RF CABLE SOLUTIONS

## SEMI-RIGID CABLE ASSEMBLIES

At our EN/AS9100-approved UK facility, Telegärtner specialises in precision semi-rigid cable assemblies engineered for maximum electrical and mechanical performance. Using advanced 3D design and automated bending technology, we deliver complex geometries with exceptional accuracy and consistency - ensuring reliability where failure is not an option.

For more details or custom enquiries, contact our team.



### Expertise in Semi-Rigid Cable Assembly Manufacturing

- Conformable and semi-rigid cable assemblies
- Delay lines and Phase matched sets
- Precision formed using automated bending machine with software controlled bend head
- Temperature cycling using environmental ovens

## FLEXIBLE COAXIAL ASSEMBLIES

### Range of Coaxial Cable Assembly Options

- Flexible standard and miniature cable assemblies
- Copper corrugated antenna cable assemblies
- Jumper cable assemblies
- Low loss RF cable assemblies
- All standard RG/U cable types
- High power corrugated
- Low smoke zero halogen
- Coaxial attenuators and feedthroughs
- Standard and custom designs
- Rapid prototype and pre-production service



Scan &  
configure



Telegärtner offers a wide range of flexible coaxial assemblies – from standard solutions to custom designs – meeting the demanding requirements of defence and aerospace applications. Assemblies can be easily configured via our Coax Configurator, allowing fast and precise selection for individual project needs. Our experienced engineers support every stage from design to production, ensuring seamless integration, reliable performance, and rapid prototyping for mission-critical projects.



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