

RF INTERCONNECT SOLUTIONS FOR HEAVY EQUIPMENT

Amphenol RF's wide portfolio of ruggedized, IP-rated solutions are designed to support a broad variety of applications within the Heavy Equipment vertical. These RF connectors, adapters and cable assemblies are engineered to offer additional protection in harsh environments to aid in the increased consideration for safety and efficiency in this space. This shift is driving the adoption of new technology which ranges from simple telemetry solutions to next-generation fully autonomous operations. Amphenol RF's products offer protection against moisture, dust, vibration and corrosion, and include an expansive number of standard, commercially available options. Custom solutions are available to meet specific application requirements.



MINING



CONSTRUCTION



MATERIAL HANDLING



AGRICULTURE



FORESTRY

APPLICATIONS

- Cameras
- Radar/LiDAR/Sonar
- Antennas
- Positioning
- Asset Tracking
- Telemetry
- Remote Control
- Operator Assistance
- Infotainment
- Compute Module

OUR CORE COMPETENCIES

- Waterproof IP67/68 sealed solutions ideal for harsh environments
- Ruggedized products offering dust, vibration and corrosion resistance
- Quick mating and quick disconnect RF connectors
- Blindmate connector systems
- Custom cable assemblies and sub-systems

PRODUCTS

CONNECTORS



AUTOMATE MINI-FAKRA



FAKRA



N-TYPE



SMA



TNC

FIXED LENGTH CABLE ASSEMBLIES



Pre-configured cable assemblies featuring common connector and cable configurations available in standard lengths.

ADAPTERS



Designed for applications requiring two RF interfaces (in-series or between-series) to be connected together.

HEAVY EQUIPMENT APPLICATIONS

SERIES	IMPEDANCE	CAMERA	LIDAR	RADAR	POSITIONING	ASSET TRACKING	TPMS	REMOTE CONTROL	OPERATOR ASSIST	INFOTAINMENT	ON BOARD COMPUTER
AMC	50 Ohm		•		•	•	•				•
AUTOMATE MINI-FAKRA	50 Ohm	•	•					•	•		•
BNC	50 & 75 Ohm				•	•	•				
FAKRA	50 Ohm	•	•					•	•	•	•
HSD	100 Ohm	•	•	•				•	•		•
MCX	50 & 75 Ohm				•	•	•	•	•		•
MMCX	50 Ohm				•	•	•	•	•		•
N-TYPE	50 Ohm				•	•	•				
SMA	50 Ohm			•	•	•	•	•	•	•	•
SMB	50 Ohm		•	•	•	•					•
SMP	50 Ohm		•	•							•
SMPM	50 Ohm		•	•							•
TNC	50 Ohm				•	•	•				

DESIGN FEATURES

**IP-Rated Waterproof Options Available**

Waterproof sealed solutions are engineered to protect your application from outside elements and are fully tested to IP67 specifications in the mated and unmated condition.

**Vibration-Resistant Designs**

One-piece bodies and other design considerations are taken into account to provide a more robust option for applications where there are concerns for the security of the locking interface due to external conditions.

**Alternate Plating**

Corrosive resistant plating is available on select RF products to prolong the life of your system in situations where connectors may be exposed to chemical, fertilizer, or salt spray.