

ENHANCING POWERSPORT VEHICLES WITH RF INTERCONNECT TECHNOLOGY

Amphenol RF offers a broad portfolio of products designed for powersport applications. Engineered with safety in mind, these connectors, adapters and cable assemblies are suitable for a variety of infotainment and telematics applications and aftermarket technologies, within this vertical. With durable IP-rated options available, these interconnect can withstand harsh environments and protect the system from high vibration, temporary water ingress and extreme temperatures. RF interconnect supports current and next generation innovation within the powersport market such as GPS tracking, Bluetooth and advanced driver assistance systems (ADAS).



POWERSPORT VEHICLES



Utility Terrain Vehicles (UTV)

All-Terrain Vehicles (ATV)

Motorcycles

Snowmobiles

Personal Watercraft (PWC)

APPLICATIONS

- GPS Navigation
- Audio
- Bluetooth
- Satellite Radio
- Advanced Driver Assistance Systems (ADAS)
- Cameras
- Vehicle Diagnostics and Tracking
- Remote Start
- Tire Pressure Monitoring

OUR CORE COMPETENCIES

- Waterproof IP67/68 sealed and ruggedized solutions
- Ruggedized interconnect (ARC)
- Robust blindmate and highly reliable multi-port board-to-board configurations
- Color coded and mechanically keyed automotive connectors
- Quick mating and quick disconnect RF connectors
- Customized hybrid solutions supporting RF signal and power
- Standard and custom pre-configured cable assemblies and sub-systems
- Custom camera interconnect solutions available
- Vibration resistant RF interconnect
- Tin-nickel anti-corrosive plating options

PRODUCTS

CONNECTORS



AUTOMATE Mini-FAKRA

- High frequency, high bandwidth design
- Low engagement forces

- Impact resistant
- Ideal for compact spaces



FAKRA

- 14 different mechanical and color key codes
- Robust plastic housing with secure locking feature

- Tape and reel packaging
- Sealed options available

POWERSPORT APPLICATIONS MATRIX

Series	Impedance	GPS Navigation	Audio	Bluetooth	Satellite Radio (ADAS)	Advanced Driver Systems	360 Degree Cameras	Vehicle Diagnostics and Tracking	Remote Start	Tire Pressure Monitoring
AMC	50 Ohm	●					●	●	●	●
AMC4	50 Ohm	●					●	●	●	●
AUTOMATE MINI-FAKRA	50 Ohm	●				●	●	●	●	●
FAKRA	50 Ohm	●	●	●	●	●	●	●	●	●
HD-BNC	50 Ohm						●			
HSD	100 Ohm						●	●		
MCX	50 & 75 Ohm	●					●	●	●	●
SMA	50 Ohm	●		●	●		●	●	●	●

Note: IP67 options available. Contact factory for ordering information.

ALSO AVAILABLE

FIXED LENGTH CABLE ASSEMBLIES



CAMERA INTERCONNECT



Sealed automotive camera interconnect are designed with overmolding of cable and connectors for a fully integrated, clean solution. Sealed interconnect prevent ingress of fluids and dust while high float solutions allow for blind mating of camera back.

SMART ANTENNA SOLUTIONS



RF interconnect that enable the consolidation of all radio functions into a single module create effective and efficient communication between automotive systems.

INTERNAL ANTENNAS



Compact and easy-to-use solutions designed to enable Wi-Fi and Bluetooth applications.