

PUBLIC SAFETY SOLUTIONS

The growing crime rates and increasing incidents have heightened concerns over the safety and security of assets, people, and processes, driving the demand for enhanced public safety and security solutions. Amphenol RF provides a comprehensive range of connectivity products designed to support the advanced technologies shaping public safety, including IoT, AI-powered, and networked devices. With ruggedized connectors built for reliability in harsh conditions and compact solutions for smart security systems, Amphenol RF enables seamless and robust performance to ensure the protection and well-being of communities and critical infrastructure.



OUR CORE COMPETENCIES

- Waterproof IP67/68 sealed solutions ideal for outdoor applications
- Ruggedized products offering dust, vibration, and corrosion resistance
- Custom cable assemblies and sub-systems
- Customized high-speed board level interconnects
- Customized hybrid solutions supporting RF, signal and power

APPLICATIONS

- Surveillance Drones
- Surveillance Robotics
- Body Worn Cameras
- Handheld Radios
- Access Control
- AI-Powered Surveillance Cameras
- Emergency Response Communication Systems
- Smart City Poles

PRODUCTS



N-TYPE



TNC



BNC



HD-BNC



SMA/RP-SMA



AMC/AMC4



FAKRA

FAKRA CABLE
ASSEMBLIESINTERNAL
ANTENNASEXTERNAL
ANTENNA

ALSO AVAILABLE

AMPHENOL RUGGEDIZED PRODUCTS (ARC)



The ARC series is designed to provide ruggedized connectors, adapters, and cable assembly options in durable interfaces, making them ideal for public safety applications that operate in challenging environments and demanding conditions.

FIXED LENGTH CABLE ASSEMBLIES



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

EXTREME EXPOSURE INTERCONNECT



Corrosive resistant plating is available on select RF products to prolong the life of your system in situations where connectors and adapters may be exposed to chemicals, fertilizer or salt spray. These interconnects are validated for up to 720 hours of salt spray endurance and offer superior RF performance.

BLACK PLATED INTERCONNECT



Ideal for covert applications, these connectors and adapters are designed using black chromate plating over nickel to create a non-reflective solution. These interconnects are conductive and corrosion resistant.

DESIGN FEATURES



IP67/68 Sealed Solutions

Waterproof sealed solutions are engineered to protect your application from outside elements and are fully tested to IP67/68 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 that experience movement and harsh external conditions.