

RF INTERCONNECT SOLUTIONS FOR MARINE AND COASTAL ENVIRONMENTS

Radio frequency systems have been closely intertwined with maritime operations for almost a century. RF systems serve essential roles in facilitating communication, navigation and data telemetry across vessels of all sizes and types, from grand dreadnoughts to cutting-edge autonomous submersible systems. Amphenol RF supports these applications with a wide variety of reliable RF interconnect designed to withstand extreme environmental conditions such as prolonged exposure to salt spray.



APPLICATIONS

- Wireless Communication Systems
- Vessel Radar Systems
- Satellite Navigation Equipment (GPS)
- Global Maritime Distress and Safety System (GMDSS)
- Fish Finders
- Remote Marine Monitoring
- Autonomous Water Vehicles

CAPABILITIES

- 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
- Extreme exposure RF interconnect designed with corrosion resistant plating
- Board-to-board connectors for direct connection between PCBs

DESIGN FEATURES



Extreme Exposure 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 salt spray.



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.

PRODUCTS



AMC/AMC4



BNC



HD-EFI



MCX/MMCX



N-TYPE



SMA/RP-SMA



TNC/RP-TNC



EXTERNAL IP67
ANTENNAS



INTERNAL
ANTENNAS

ALSO AVAILABLE

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.