

EXTREME EXPOSURE RF INTERCONNECT

Amphenol RF offers safe and sustainable industrial plating options with enhanced durability for a variety of harsh environments. These robust connectors and adapters are available in environmentally friendly, chromium free tin nickel plating for extreme exposure settings. The extra layer of protection this plating provides ensures reliable RF performance.

Tin nickel plating is RoHS and REACH compliant and does not contain potentially harmful, commonly used anti-corrosive elements. Mechanical robustness is achieved by applying alternate plating that can extend the life of the RF interconnect in situations where they are exposed to unfavorable conditions such as marine environments.

PLATING PERFORMANCE

The level of salt spray resistance is measured in “hours.” All connectors and adapters are exposed to concentrated salt spray and tested for the corrosion of the base material for a full 720 hours to ensure reliable performance.



Before Salt Spray Testing:
IP67 seals and RF performance for Contact Resistance and Return Loss is tested to determine a baseline before salt spray exposure



After 720 Hours of Salt Spray Exposure:
IP67 seals and RF performance for Contact Resistance and Return Loss is retested to validate product endurance

FEATURES AND BENEFITS

- Validated 720 hours of salt spray endurance
- Waterproof IP67 sealed interfaces
- Superior RF performance
- Environmentally friendly, chromium-free

APPLICATIONS

- Marine GPS
- Remote Base Station
- Environmental Measurement Equipment
- Search and Rescue Communication