



# RF INTERCONNECT FOR HARSH ENVIRONMENTS






Amphenol RF offers a broad portfolio of products designed to withstand various environmental conditions. Engineered with shock and vibration resistance, environmental sealing, durable materials and additional protection built into the connectors or cable assemblies, these products are ideal for both indoor and outdoor applications where systems may be compromised by external factors. Special considerations are a key driver within these designs in order to ensure the safety and performance of these systems. Products that meet these rigid requirements are available for most standard product series and in a variety of configurations.

## OUR CORE COMPETENCIES

- Waterproof IP67/68 sealed solutions ideal for wet environments
- Ruggedized products
- Quick mating and quick disconnect RF connectors
- Customized hybrid solutions supporting RF, signal and power
- Blindmate connector systems
- Custom cable assemblies and sub-systems

Learn more at [AMPHENOLRF.COM](https://www.amphenolrf.com)

IP RATED WATERPROOF CONNECTORS	TAMPER RESISTANT	AMPHENOL RUGGEDIZED CONNECTORS (ARC)
<p>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.</p>	<p>Tamper resistant connectors offer a secure front mount fastener that protects sensitive electronics inside of an enclosure.</p>	<p>Amphenol Ruggedized Connectors, or ARC, is a product series that utilizes threaded connectors and a unique construction to ensure superior performance in extreme conditions.</p>
<h3>Applications</h3>		
 <ul style="list-style-type: none"> <li>• Smart agriculture</li> <li>• Wearable devices</li> <li>• Utility pole devices</li> <li>• Industrial machinery</li> <li>• Outdoor security systems</li> </ul>	 <ul style="list-style-type: none"> <li>• Outdoor kiosks</li> <li>• ATMs</li> <li>• Smart meters</li> <li>• Ruggedized computers</li> <li>• Bike Share</li> </ul>	 <ul style="list-style-type: none"> <li>• Mining and construction equipment</li> <li>• Industrial control</li> <li>• Factory automation</li> <li>• Agricultural</li> </ul>

## PRODUCTS

All of the following product series are available as IP67 rated waterproof, tamper proof and/or ruggedized configurations to meet the specific needs of your harsh environment application.



**2.2-5**  
50 Ohm



**4.3-10**  
50 Ohm



**7-16**  
50 Ohm



**BNC, HD-BNC**  
50 & 75 Ohm



**FAKRA**  
50 Ohm



**MHV**



**N-Type**  
50 Ohm



**QMA**  
50 Ohm



**SMA, RP-SMA**  
50 Ohm



**SMP**  
50 Ohm



**TNC, RP-TNC**  
50 Ohm

## ALSO OFFERING

### 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 (between-series or in-series) to be connected together.

