



SUCCESS STORY

Rapid Mate Filtered Connectors for Tactical VHF Radios

Spectrum Control connectors protect hand-held and vehicular-based radios from EMI

Communication is key for military personnel on the battlefield. With the help of Spectrum Control's Rapid Mate filtered connectors, tactical hand-held radios deliver command-to-field communications with faster speed and improved reliability. Spectrum Control worked closely with a leading supplier of these critical military radios to advance military force safety.

Why Spectrum Control Was Selected For This Mission

Spectrum Control engineers have produced a wide range of EMI filtered interconnect solutions, including Spectrum Control's Rapid Mate line, which are spring-loaded, compliant contact connectors—with the added benefit of integral filtering. Spectrum Control's spring-loaded filtered connectors are rugged, reliable, and resistant to sand, dust and water, and with low, flex-mating force.

Handheld tactical radios are mated many times a day. Uniquely, Rapid Mate Connectors provide a low mating force connection that ensures a reliable connection even when the device itself gets misaligned.

Spectrum Control also offers custom and configurable filter performance designs to meet specific requirements for this type of connector.



Tactical communications conveyed from one command to a battlefield.

Designed, Tested, Battle-ready

Spectrum Control's interconnect product engineers have been providing the world's leading OEMs with an extensive range of custom-designs for over 50 years. All filtered connectors undergo extensive testing to assure that all products meet Spectrum Control's and the customer's expectations. Many of these tests are performed at 100% and others carried out on a sample basis when deemed essential.

The connectors are also designed to meet environmental performance specifications. Spectrum Control will provide any special testing requests in our fully qualified test laboratory.

Additional features include:

- Up to 32 positions available
- Designed with feedthrough circuit
- Capacitance values up to 5000pF
- Working Voltage DC up to 200V

Rugged, reliable, and 100% tested before shipment.