

# TREK Connect

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www.trekconnect.com

MADE IN



U. S. A.

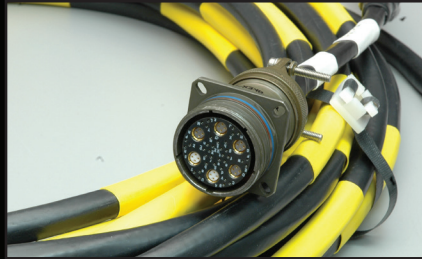
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## Custom Cable and Harness Assemblies for Military and Aerospace

### About Us

We are your trusted partner for rugged cable and harness assemblies. Our experts provide economical solutions for your interconnect needs. Trek Connect designs and manufactures custom copper, fiber optic and RF cable assemblies. In addition to wire harnesses, we offer a broad range of products and services, which include specialized switching systems.

Our customers range from defense contractors in the shipbuilding, aerospace and ground support industries to commercial OEMs and research institutions. Whether you're looking for custom design solutions, product development or build-to-print, we deliver!



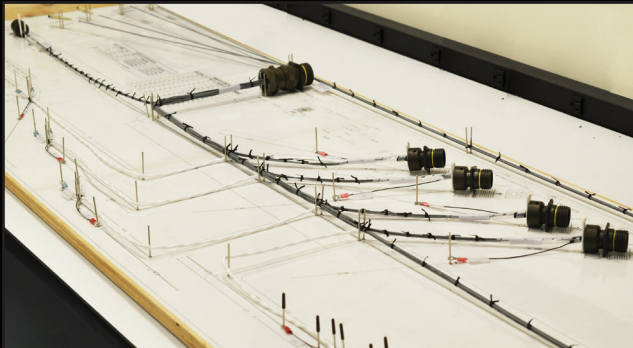
### Copper Cable Assemblies

- **Ruggedized military cable and wire harness assemblies** utilizing low smoke/zero halogen materials
- **Custom network assemblies**, including Ethernet cables for ruggedized environments
- **Power cords** of all types, including ship-to-shore power distribution
- **High-speed cable assemblies**, quadrax / twinax, controlled impedance
- **Flexible metal conduit wired assemblies**
- **Terminators, dummy loads** and loop back assemblies

- **Audio cables**
- **Hardened cables**



### Fiber Optic Cable Assemblies



- **MIL-SPEC and commercial** fiber optic terminations and interconnects in accordance with MIL-STD-2042B
- **Single- and multi-mode** MIL-PRF-29504, MIL-PRF-83522, MIL-PRF-28876
- **ST • SC • FC • LC SM • MM** connectors
- **Streamlined** fiber optic loopback
- **Ship-to-shore** fiber telecommunication
- **Hybrid copper/fiber optic** cable and wire harness assemblies

### RF and Electromechanical Cable Assemblies



- **Coax**
- **Triax**
- **NAVSEA Triax**
- **Heliax®**
- **RF resistive load terminators** (coax / triax)
- **Electromechanical assemblies**

trekconnect.com

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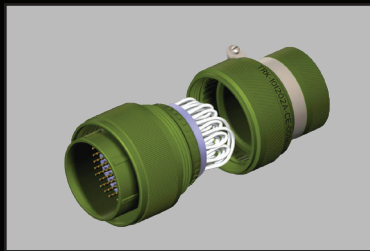
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## Build-to-Print, Collaborative Design and Custom Cable Interconnect Solutions for Rugged Environments

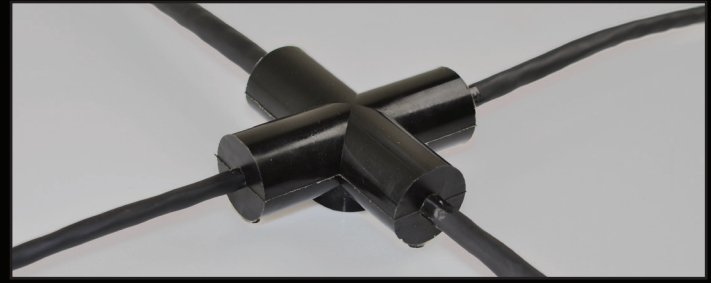
### Design Services

At Trek Connect, we integrate interconnect expertise and engineering services with every customer interaction. We utilize large connector databases and decades of interconnect experience to optimize your cabling needs. Trek Connect can design and/or build-to-print high-reliability assemblies using state-of-the-art components for use in high shock and severe environments. Understanding your requirements allows us to resolve a variety of challenges, including EMI-RFI shielding issues and hi-impact shock and vibration.



### Molding / Overmolding

We offer cable overmolding to your specifications. Mold materials vary from MIL-SPEC to commercial compounds.

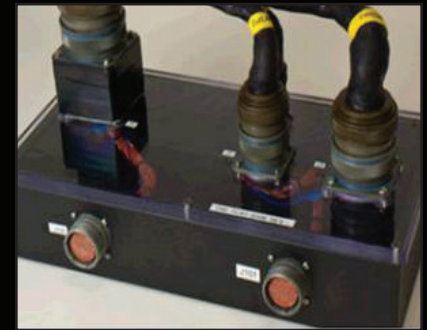


### Quality

Trek Connect is certified to AS9100D, the international standard for aviation, space and defense organizations. Our skilled technicians are certified to fabricate assemblies in accordance with IPC/WHMA-A-620. As part of our thorough inspection process, we can provide AS9102 First Article Inspection Reports (FAI-FAIR).

### Test Capabilities and Technologies

- **Advanced continuity and Hipot AC/DC test systems** up to 2000VDC (CIRRIS® Signature Touch 1). Manual Hipot test equipment for higher voltages.
- **RF network analyzer** (VSWR + Insertion Loss)
- **Fiber optic interferometer optical testing** - light loss measurement/back reflection
- **Fiber Check Pro II digital inspection**
- **Fiber Optic CleanBlast™ system**
- **Mechanical testing:** crimp pull, contact retention, immersion and leak



### Platforms

Trek Connect's products are battlefield-proven in some of the most demanding sea, air and land-based environments, including Seawolf and Virginia Class submarines, DDG destroyers, CV aircraft carriers, CG cruisers, F-18s, A380s, the new USCG National Security Cutter, DDG-1000 destroyer and AN/TPQ-53 counterfire radars.



### Certifications

- **IPC/WHMA-A-620**, Class 3 certified IPC specialists
- **MIL-STD-2042B** certified operators
- **AS9100D**
- **ISO 9001:2015**



intertek



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