

DEFENSE CABLES AND MIL-SPEC CABLE ASSEMBLIES

As trusted advisors, Minnesota Wire works with the nation's largest defense companies and provides expertise in areas including but not limited to communications, tough, ruggedized cables and over molded connectors.

Defense Through Innovation

Improve performance and reduce weight on existing and new-design products

- Redesign of existing connectors, suggestions for improvement includes over molded products to meet modern defense standards for improved durability, EMI shielding, and waterproofing to name a few
- Minimize and eliminate electromagnetic interference (EMI) from close-proximity electronics in complex ensembles and suites
- Optimize connector count in defense cables to eliminate redundancy, thereby improving efficiency, reducing costs, and improving utilization
- Provide high-volume robotic production to support R&D programs

Minnesota Wire Specializes In:

- Increased Durability
- Reduced Weight
- EMI Shielding
- Ruggedized Cables and Connectors
- Over Molded Connectorization
- Increased Strength
- Design Update Guidance



Certifications

- ISO 9001: 2015 Certified
- AS9100 Rev D Certified
- ISO 13485: 2016 Compliant
- RoHS Compliant
- IPC/WHMA-A-620 Requirements & Acceptance for Cable and Wire Harness Assemblies

GET IN TOUCH

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Custom Defense Wire & Cable Assemblies

Molded and Ruggedized Connection Systems

We specialize in creating custom defense wire and aircraft cable assemblies. Our engineers collaborate with you to meet your project's specific requirements, ensuring quality products delivered on time. We streamline the process, offering quick turnaround times and expert project management.

Defense Vehicle & Aircraft Cable Assemblies

Defense Interconnect Specialists

We provide custom defense vehicle and aircraft cable assemblies to the U.S. Department of Defense, prioritizing quality and durability. Our meticulous engineering and use of advanced materials ensure maximum signal protection. Trusted for use on Air Force One, MRAP and JLTV projects, our cables undergo rigorous testing to meet required standards for emissions and shielding effectiveness.



Lightweight Cable Assemblies for Communications Systems

Combat-Proven MIL-SPEC Cable Assemblies

Our cable assemblies are lightweight, durable, and perfect for defense communications systems. Used for headsets, microphones, and more, we excel in radios, push-to-talk systems, and unique designs. With injection- and insert-molding capabilities, we produce rugged MIL-SPEC connectors, ensuring communication integrity in harsh conditions. Designed to withstand extreme temperatures, our components deliver reliable performance in severe weather and combat environments.

Soldier-Worn Cable Assemblies

Featuring iSTRETCH® Elastomeric Cable

We create durable cable assemblies for soldier-worn systems, trusted by the U.S. Army. Our iSTRETCH series offers innovative elasticity without sacrificing performance, perfect for integrating into garments or armor, ensuring flexibility and comfort while meeting MIL-SPEC standards.

