

WIRE HARNESS MANUFACTURING

Experienced Technicians, Quality Harnesses

Our technicians have over 25 years of experience in the industry; combining knowledge with innovation, we provide reliable, high-quality products tailored for each customer's unique needs.

KIHOMAC's capabilities spans the spectrum of Aerospace Electrical Wiring supporting aircraft (fighter, bomber, cargo and support), ICBMs, ground equipment, test equipment, and support equipment. We are able to design and build harnesses ranging from high-speed data cables, digital video cables, and large gauge power cables, to complex branched wire harness assemblies, including coaxial, twinaxial, triaxial, and quadraxial contacts.

We maintain IPC/WHMA certifications and inspect all work to the applicable standards.

Products & Services

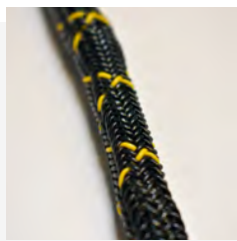
- Build-to-Print Aircraft Modification Kit Harnesses
- Braided Compact Wiring Harnesses
- Prototyping
- Twisted, Shielded Cabling
- Coaxial Cabling
- 1553 Data Buses
- Laser Wire Marking
- Test Harnesses
- Reverse Engineering
- Wiring Harness Repairs
 - *Parts Obsolescence Research*
 - *- Fit/Form/Function*
 - *Identification & Replacement*

Tooling & Equipment

- Schleuniger 5200 Wire Stripper
- Nova 800 Laser Wire Marker
- Heavy Wire Gage (8 - 4/0) Termination Tooling
- CAMI Research CableEye® Tester
- Wardwell Wire Harness Braiding Machines



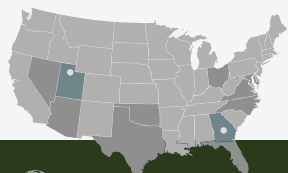
Tooling



Cable Braiding
Example



Wardwell Wire Harness
Braiding Machine

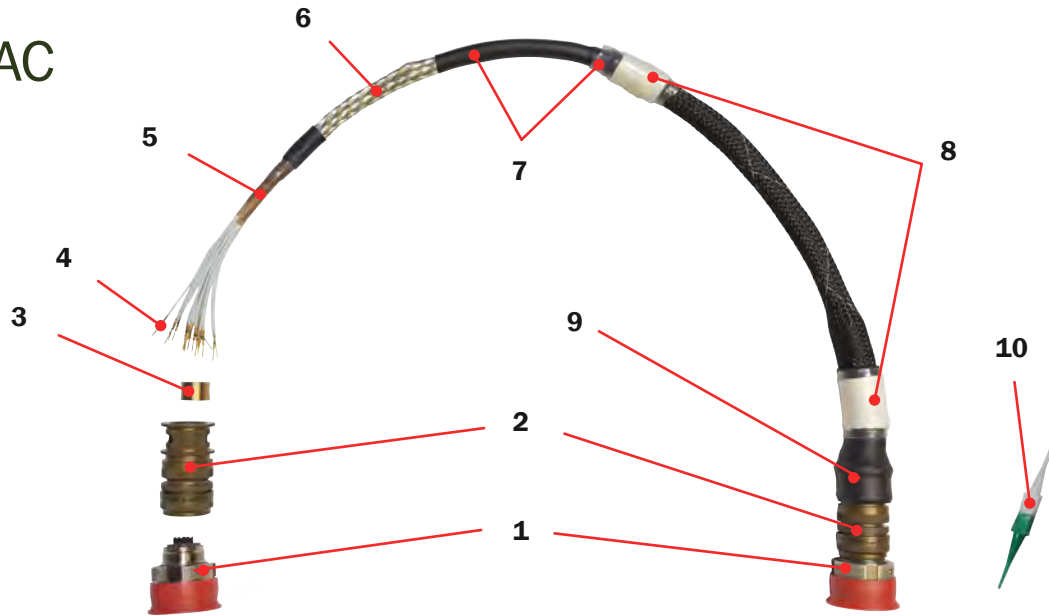


- KIHOMAC Cabling Facility
- KIHOMAC Office





EXAMPLE
HARNESS



1. Connector

Provides quick disconnection of harness.

2. EMI Backshell

Provides ground between connectors, and shields against Electromagnetic Interference (EMI)

3. Banding Clamp

Secures Metal Braided Shielding to EMI Backshell. Available in multiple sizes and applications.

4. Electrical Contacts

Provides connection point for current or signal transfer within the connector.

5. Teflon Tape

Provides a non-stick environmental seal and heat protection to the harness and acts as a means of bundling wires together.

6. Metal Braided Shielding

Provides continuous grounding and EMI shielding for entire length of the cable. Available in multiple sizes, materials and finishes based on application.

7. Heatshrink

Provides chafing, environmental, and chemical protection. Available in multiple sizes, colors, and application. Including clear to allow visual access.

8. Labels

Provides for identification cables, connections, and other important information. Available in multiple materials, colors, sizes, and applications.

9. Heatshrink Boot

Seals cable end providing protection from contaminants and moisture.

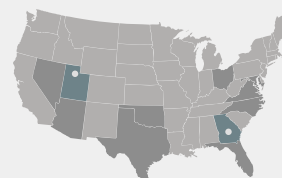
10. Electrical Contact Insertion/Removal Tool

Used to install and remove electrical contacts without damaging the wire, contact, or connector.

Capabilities

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