High Speed Copper Cable Assemblies

Product Facts

- **End-to-end best performance systems solutions provider**
- **Quick design turnaround using in-house software**
- **Full electrical and environmental testing capability**
- **Certified test processes and equipment ensures optimal signal integrity**
- **Qualified assembly experts**
- **Complete lot traceability**
- **Reliability in harsh environments**
- **ISO 9001; AS 9100 certified**

TE supplies proven technology for high bandwidth data links to customers in the aerospace, ground systems and marine industries. Military cable requirements are designed, manufactured and tested to perform reliably in harsh environments.

Proper cable assembly is critical to realizing the full potential of the cable and connector technologies. TE's lightweight military cables and connector solutions are designed to reduce size and remove weight from your application, leading to benefits that include reduced fuel consumption and increased payload capacity.

Data assemblies can be developed for the following high speed protocols:

- Military Fiber Channel
- Ethernet (Fast Ethernet, GigE, 10GigE)
- 1394b Military Firewire
- USB 3.0

and many other serial communication architectures.

Applications

Unmanned aerial vehicles (UAV), Helicopters, Fighters, Transport, Trainers, Missiles, Satellites, and Ground Vehicles

Applications include:

- Surveillance equipment, ground computing
- Communications
- Collision Avoidance, Navigation
- Cockpit Instrumentation
- Broadband Networks
- Command and Control

Electrical

Testing capabilities include:

- DWV/IR
- Characteristic Impedance
- Return Loss/VSWR
- Insertion Loss
- Crosstalk
- Attenuation
- Eye Diagrams
- etc.

Mechanical Tests Available:

- Vibration
- Mechanical Shock
- Mechanical Durability

Environmental Tests Available:

- Salt Spray
- Thermal Shock / Termperature Life
- Humidity / Fluid Immersion

Available in:	
Americas	■
Europe	■
Asia Pacific	■

Catalog 1654025
Revised 5-12

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Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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