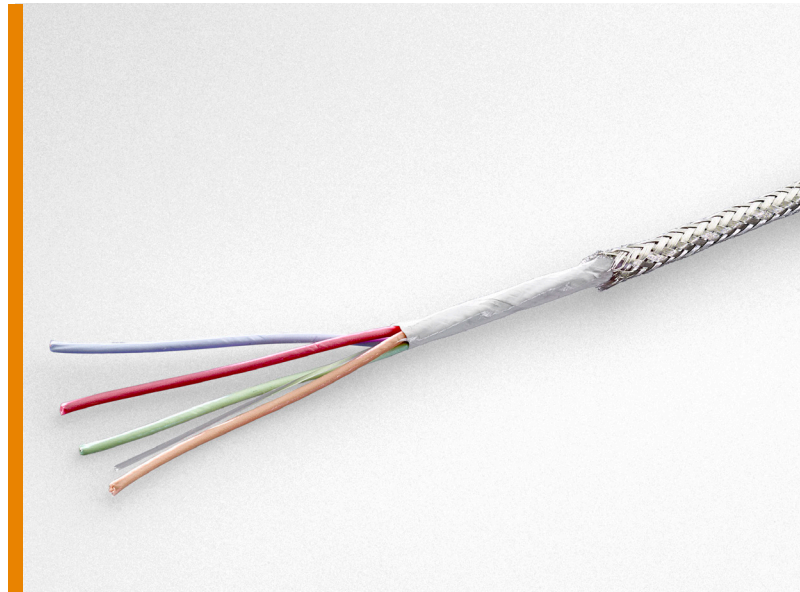INTRODUCING

RAYCHEM HIGH-SPEED CABLES FOR IEEE 1394 APPLICATIONS

- **Offer a unique, lightweight crosslinked material**

- **Provide advanced performance with halogen free, flame retarded, fluid resistant and ruggedized, abrasion resistant tubing**

TE Connectivity (TE) introduces Raychem high-speed cables for IEEE 1394 applications providing up to 3.2 Gb/s speed of 1394B in a rugged, compact package. TE's portfolio of fine-gauge 1394 cable offers greater flexibility in routing through space-constrained environments, while maintaining the requirements for a wide temperature range, low flammability and smoke generation, and easy termination. The cables are available in four-conductor configurations to meet the needs of 1384A and B applications. Standard configurations use a double braid shield to help achieve excellent signal integrity in noisy aerospace and military environments. Consult TE for other configurations.

APPLICATIONS
- Mission Systems
- Flight Control
- Avionics
- Propulsion Control

KEY BENEFITS
- Combine performance and space savings with a ruggedized cable design
- Optimized shielding helps block out excess noise in harsh environments to enable dependable signal integrity
- Improve installation with smaller cable bundles

LEARN MORE
IEEE 1394 Product Listing Page

IEEE 1394 Brochure

IEEE 1394 Parts List

MATERIALS
- Conductors:
  - 24, 22 AWG: Silver-coated copper alloy
  - 26 AWG: Silver-coated high-strength alloy
  - Component Color: Blue/Orange, Red/Green
- Dielectric: Foamed FEP
- Core Wrap: PTFE
- Shielding: Silver-coated copper braid, 92% coverage
- Jacket: FEP, white (laser markable)

ELECTRICAL
- Temperature Range: -55°C to 200°C

STANDARDS & SPECIFICATIONS
- IEEE 1394b for Military and Aerospace Vehicles:
  - SAE AS5643
- Environmental Performance Testing: WC 27500
- Smoke Density and Toxicity: BSS 7238 and 7239
- Flammability: FAR Part 25, Appendix F, Part 1 and AS22759
- TE Product Specification: 1200/1400

TE connectivity