



COTSWORKS®

Rugged Fiber Optics for Harsh Environments

INTERCONNECT PRODUCT PLATFORM



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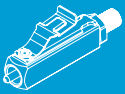


INTERCONNECT PRODUCT PLATFORM

The COTSWORKS Interconnect Product Platform covers a wide range of product offerings to support the construction of fiber optic harnesses. COTSWORKS designs, manufactures, and ruggedizes connectors, termini, adapters, multiplexers, optical splices, and couplers for harsh environment applications. The interconnect products meet or exceed industry standards. COTSWORKS maintains a robust supply chain and manufacturing traceability.

Terminated Connectors

LC-T™



LC Tab

- Rugged metal LC connector
- Innovative, robust retention tab
- Meets Tele/Datacom Mil/Aero stds.
- High reliability over temperature
- In use in many aerospace applications

LC-R™



LC Rugged

- Separable, rugged LC connector
- Tab secured with a screw (innovation)
- Rugged, all-metal construction
- Meets Tele/Datacomm Mil/Aero stds.
- Ideal for Military high shock & vibe

Rugged Adapters

LC-T801™



ARINC 801 to LC-T™ Adapter

- Adapts ARINC 801 to LC receptacle
- Utilizes LC-T retention feature for robust connection
- Aerospace grade aluminum construction

LC-801™



ARINC 801 to LC-R™ Adapter

- Adapts ARINC 801 to COTWORKS LC receptacle
- Utilizes LC-R retention feature for locking but servicable installation
- Aerospace grade aluminum construction

Termini

Lightly™



ARINC 801
Built-in Insertion/Removal Tool

- ARINC 801 terminus with built-in insertion/removal tool
- Reduced FOD concerns
- Meets MIL-STD-883 & ARINC 801 shock and vibration requirements

POF



Plastic Optical Fiber
M29504

- All metal M29504 pin & socket designs
- Fits standard D38999 circular connector, size 16 insert
- Custom cable & test equipment available

C-Beam



Expanded Beam

- COTSWORKS Expanded Beam Termini
- Collimating lenses provides resistance to dirt & debris
- Size 16 Pin and Socket design
- Serviceable design

Custom Cable Assemblies

CPLX



Complex Cable
Assemblies

- SM, MM, POF fiber optic cables
- Mil/Aero, commercial COTSWORKS' termini/connectors
- Superior IL/RL performances
- Custom designs/support available

SPLX



Simplex Cable
Assemblies

- Aerospace, military, & industrial use
- 100% geometry & end-face quality inspected
- 100% measured for insertion loss

MT



Mechanical Transfer
Cable Assemblies

- 1x12/2x12/1x16/2x16 fiber ferrule options
- Expanded beam & physical contact
- Custom routing and channel mapping
- Supports harsh environment usage
- PC & APC polish options

Rugged Mechanical Splice

SpliceWORKS™



Rugged
Mechanical Splice

- Rugged Mechanical Splice
- Splices fibers without fusion splicer
- Glass capillary alignment mechanism
- Quick field use & cable repair
- Low optical loss, less than 1.0dB

Optical Multiplexers

MUX



Optomux WDM

- Ideal for multi-wavelength transmission
- High isolation, excellent return loss
- Low insertion loss, small footprint
- Excellent stability & reliability
- RoHS compliant

COTSWORKS' Product Platforms include Opto-Electronic, Interconnect, Test Equipment & Optical Sub-Assemblies.
For more information regarding any of these product lines, please reach out to sales@cotsworks.com