

Fiber Optic Products, cont.

Fiber Optic Cable Assemblies

Consult your local Amphenol sales office for further information.



| APPLICATION | STANDARDS/ REQUIREMENTS | COUPLING/ MOUNTING | CONTACT TERMINATION | PERFORMANCE ENVIRON./ELECT. |
|---|---|---|--|--|
| Custom fiber optic cable assemblies terminated with MIL-T-29504 termini, MIL-DTL-38999 III connectors and the following other series: ST, SMA, SC, FC, MTRJ, LC, MFM, TVOP. | Designed for both harsh and benign environments. MIL-T-29504 standards apply to termini. Connector standards vary per series. | Cabling for a multitude of applications designed to meet customer requirements for connector interface, desired cable lengths, and molding materials. | Any fiber optic termini, including butt joint and lens products, dependent on connector style. | Amphenol cable assemblies are crush resistant, have high tensile strength and are flexible with good bend radius characteristics. They are abrasion resistant and high fluid and chemical resistant. Amphenol has on-site testing capabilities which include optical and environmental performance testing as well as qualification testing. |

OPTIONAL FEATURES

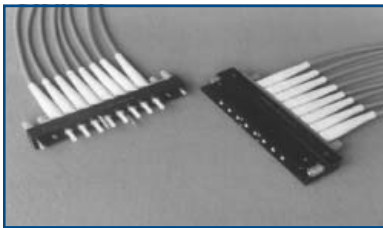
- Wide variety of cable options.
- Designs are per customer requirements.

MARKETS

- All fiber optic markets listed previously.

Fiber Optic Multi-Way Backplane Connectors

Consult your local Amphenol sales office for further information.



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|---|--|---|--|--|
| MBP High density fiber optic Rack and Panel connector for attachment to printed circuit boards. | Utilizes proven PC technology and butt joint fiber optic technology. | For mounting to printed circuit boards. Keyed ferrule assembly assures positive alignment, and optical termini are free floating. | Available in 4 and 8 channel configurations with multi-mode termini. | Connector bodies are one-piece robust construction that enhance connector reliability and also reduces assembly cost of the connector. Black zinc cobalt finish for durability. Operating temp. from -50 to +125° C. Rated at IP68 mated for environmental sealing. Typical insertion loss is 0.35 dB to 0.6 dB. |

OPTIONAL FEATURES

- Available in mother board, daughter board and chassis mountable styles.

MARKETS

- Communications
- Flight Control
- Shipboard

Tactical Optical Splice

Consult your local Amphenol sales office for further information.



FTOS Flexible Tactical Splice



Optical Splice

| APPLICATION | STANDARDS/ REQUIREMENTS | COUPLING/ MOUNTING | CONTACT TERMINATION | PERFORMANCE ENVIRON./ELECT. |
|---|--|--------------------|---------------------|--|
| Fiber optical splice used for easy repair of tactical cables in the field with no epoxy handling. | Restores fiber optic cable to meet original standards. | N/A | N/A | Restores all the functions of the cable such as tensile strength and flexibility crush resistance. Reconstitutes the optical channels with low insertion loss. |

OPTIONAL FEATURES

- Optical splice can be supplied on a reel for storing, and can be unrolled and rolled on a reel after it is repaired.
- Can be used to maintain CTOS connectors by splicing CTOS pigtails on the tactical cable of the harness. (See Amphenol CTOS connectors, page 37).

MARKETS

- All fiber optic markets listed previously.