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An ISO 9001:2000 and AS9100 Certified Company

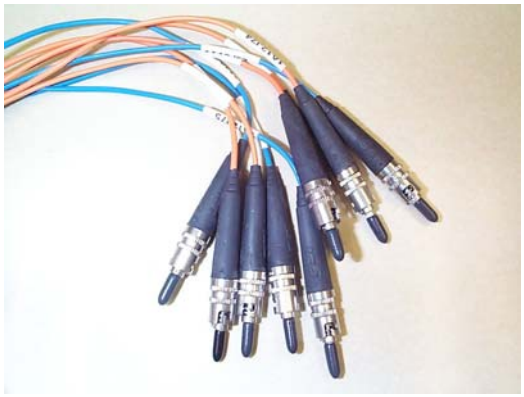
Fiber Optic Cable Assemblies

The following is a description of basic capabilities and suggested design specifications for use in your fiber optic cable assemblies. Aerospace Systems provides high quality fiber optic assembles which meet or exceed MIL-STD-2042 requirements.

CONNECTORS

- MIL-C-28875 connectors for multiple termini
- MIL-C-83522 connectors for single terminus
- Commercial grade ST connectors
- Commercial grade SC connectors
- Commercial grade FC APC connectors (reduced return loss)

CONNECTORIZATION



- Epoxy (shipboard approved) – Most common
- Pre-loaded adhesive
- Crimp
- Chemical (ovenless)
- UV Curable

TERMINI

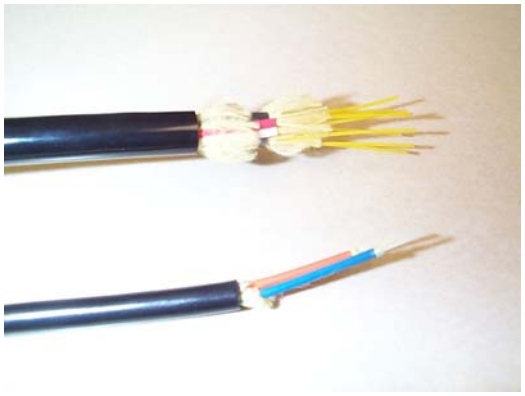
- MIL-T-29504/14 and /15 for MIL-C-28876 connectors
- MIL-T-29504/4 and /5 for MIL-DTL-38999 connector 16 AWG contact cavities
- Non-military spec contacts for MIL-DTL-38999 connector 20 AWG contact cavities

POLISH TYPES

- Physical Contact (PC) both flat and domed
- Enhanced polish
- FC APC
- Multi and single mode

CABLE

- MIL-PRF-8045 includes all types of cable including multiple fiber multi and single mode
- Custom hybrid cables (combined multi and single mode)
- Custom composite cables (combined optical fiber and copper conductors)
- Commercial cable



INSPECTION/TESTING

- 400X Visual Inspection
- Insertion loss for multi and single mode
- Return loss for single mode (+6 to –60 dbm)

TRAINING AND METHODS

- MIL-STD-2042 trained personnel to insure quality. All assemblies built to MIL-STD-2042 requirements.

MOLDED STRAIN RELIEFS

- Any type of connector can be overmolded to provide superior strain relief. With suitable connectors a waterproof, rugged fiber optic cable assembly is achievable.

Contact Aerospace Systems at 507-235-3355 or Email at aero@nortechsys.com