



Delaware USA manufactures ruggedized cable assemblies using M28876 cylindrical fiber optic connectors designed and qualified to military specifications. These cable assemblies use rugged multipart connectors that are for deployable, shipboard, outdoor and fixed single- or multi-mode requirements. The connectors are designed to provide the best performance in adverse environmental conditions such as found in the shipbuilding industry, undersea, Navy and Coast Guard. They are available in five channel sizes (4, 6, 8, 18 and 31) in a plated aluminum or stainless steel finish. The COTS version is built to the same standard as the military version, but the COTS version can be configured for hybrid or standard applications and for a broader range of cable sizes.

The M28876 cylindrical fiber optic connector was manufactured, designed and Military Qualified (QPL) by **Fiber Systems International**.

**Features and Benefits**

- Available in three shell sizes: 13 (4 channel, 15 (6 and 8 channel), 23 (18 and 31 channel).
- Six keying options, plus keying for COTS product, for both plugs and receptacles.
- Ideal for test cables.
- Inserts are interchangeable from plug to receptacle, allowing operation either with pins or socket termini.
- Fully intermatable with qualified M28876 connectors, regardless of manufacturer.
- Operates with any qualified singlemode or multimode M29504/14 or M29504/15 termini.
- Complete line of straight, 45 degree or 90 degree backshells and plug. Receptacle dust covers available for all shell sizes.
- COTS version available.
- Backshell design allows simplified removable KEVLAR<sup>®</sup> captivation with no mechanical crimp rings, reusable captivation system and fewer tools.
- Angled backshells operate identically and with the same tools as the straight backshell.
- Commercial Off the Shelf (COTS) versions of this product are built to the same standards as the MIL version and are also available in aluminum or 303/316L stainless steel.

**Applications**

- Mobile Emergency Telecommunications (EMT) Stations
- Shipbuilding industry
- Mission critical combat and communications systems
- Mobile tactical shelters, electronic battlefield networks
- Undersea
- US Navy shipboard, surface craft and submarines

- Coast Guard
- Outdoors and harsh environments

**Options**

- Configurations: M28876/1, /2, /3, /4, /5, /6, /7, /8, /9, /10, /11, /12, /13, /14, /15, /27, /28, /29
- Materials: Aluminum, 303 or 316L, stainless steel
- Finish: Olive drab cadmium over electroless nickel

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