



## Custom Fiber Optic Assemblies

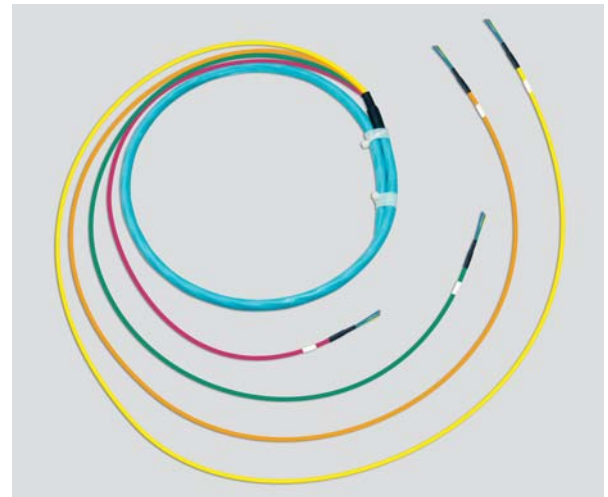
Fibertron has been manufacturing custom fiber optic assemblies for over 20 years. Fibertron employs highly skilled and trained technicians who know the ins and outs of every connector...every fiber...every cable... allowing them to construct point-to-point assembly solutions, assemblies that are designed and built to meet customers' specific project needs and deployment specifications. The end result is significant cost and complexity savings and reduced risk of execution delays.



Fibertron manufactures a number of optical assembly products that offer significant benefits to secure network deployments, SCIF construction, and multiple-classification areas.

### Multi-Classification Cables

Using multiple-classification cables from industry-leading manufacturers, Fibertron will design and build an assembly to meet your specific SCIF or red/black applications requirements. Cables are available pre-terminated on one end, both ends, or left bare for field termination. Connector options include single ferrule (SC, LC, ST), multiple fiber (MT-RJ, MTP/MPO) and keyed connectors (Keyed MT-RJ, Keyed LC). To maintain separation of classifications, individual sub-units can be broken out in lengths up to 50 feet to facilitate routing to multiple rows of cabinets or racks in the red/black equipment room.



### Pre-Stubbed Access Points or Zone Boxes:

Fibertron's Pre-Stubbed Access Points and Zone Boxes drastically reduces installation time and complexity for customers - especially for dense fiber deployments or construction/renovation projects with accelerated schedules. Customers can choose the type, manufacturer, and fiber count of optical cable, and Fibertron will terminate, test, and install connectors from one end of the optical cable into the Access Point or Zone Box of the customers choice. The remainder of the cable assembly is wrapped around a reel and the hardware is secured to the top for transport to the job site. Once at the job site, installation is as simple as (1) pull the cable, and (2) install the pre-stubbed enclosure in the red/black equipment room or in the SCIF/work center and the installation is complete—minimizing disruption to sensitive or secure areas or the need to escort un-cleared contractors for days on end.



## Pull & Place™ Solutions

Fibertron's Pull & Place™ solution is the ultimate solution for cutting training costs, installation labor hours and overall job costs on secure network deployments. Completely engineered for each individual project, Pull & Place Solutions consist of multi fiber distribution or OSP cables labeled, spooled and pre-terminated to:

- (1) Cross connect cabinets
- (2) Distribution/Splice enclosures
- (3) Consolidation Points



## Custom Patch Cords

Custom Patch cords are designed and factory-made to reduce installation costs and risks and are available in any length or configuration, using cable and connectors from industry leading manufacturers. For secure network deployments, patch cords are available using colored cabling, colored connector boots, or keyed connectors to visually separate different networks or classifications.



Note: Fibertron products are completely customized for each project to precisely match field requirements. As a result, Fibertron issues part numbers when the design is completed after an order is placed. Fibertron's experience working in the classified government arena is unsurpassed. Please contact the Secure(it) Team for product configuration, part numbers, & pricing.

## Case Study:

**Fibertron Customer:** A Government C4ISR Agency

**Customer Challenge:** Build a secure, global communications hub - a data center - that would enable worldwide communications in real time for employees.

**Solution Required:** Provide more than 300 pre-assembled Consolidation Points (CPs) for installation on four floors of 5,000 sf each. Connect each CP to one of two IDFs on each floor using a 3-inch diameter bundle consisting of a 48-fiber cable, 12 Cat6 cables, one RG6 cable and a 25-pair C5e cable.

**Final Results:** Fibertron delivered the solution and more. Each 48-fiber cable was pre-terminated at both ends. The Cat6 and Cat5e cables were punched down, and an F-connector was attached to each RG6. The multimedia cables were bundled, cut, labeled, and installed into the CPs, and more. The end result saved an estimated 15,000 hours of labor.



For more information about Fibertron case studies, ask your CSC representative for a Fibertron brochure today.