

Winchester Electronics Presents...

Fiber Optic Solutions

Winchester's fiber optic product offerings dictate the industry standard. Our custom fiber optic connectivity products provide optical solutions for the data storage medical, optical networking, and telecommunications industries.



Loopback Attenuators:

- **SFF Loopback Attenuators**

SFF (Small Form Factor) loopbacks and loopback attenuators are used for equipment and lab testing/evaluation. Attenuated versions consider all important optical parameters in order to meet both loss and back reflection specifications.

- **Patchcord Attenuators**

Patchcord style attenuators are available in both simplex and duplex designs and can be terminated with any type of connector including SC, LC, FC, ST and more. Attenuators can be manufactured with any loss value from -3dB to -20dB. Patchcord lengths are typically 0.4 meters, but can be made to customer specifications. Simplex style attenuators can be used end-to-end or in a loopback format.

- **NDF Loopback Attenuators**

NDF (Neutral Density Filter) multi-mode loopback attenuators drastically reduce the mode and wavelength dependence typically seen in the multi-mode attenuators. Launch conditions between VCSEL transceiver manufacturers vary significantly. The NDF attenuator addresses this issue easily and successfully.

- **Wide Band SM Attenuators**

New wide band 122 - 1700nm attenuators with very low polarization dependent loss.

- **MT Attenuators**

Patented MT Ferrule based NDF attenuators offer a mode independent solution to your multi-fiber attenuator requirements. Attenuated patchcords are available for 50/125 and 62.5 / 125 μ m applications with any customer specified loss level.



Cable Assemblies

Military Systems:

Winchester is an approved vendor for major military contractors with capabilities to terminate hybrid copper/fiber assemblies, as well as ANY available on-the-market military fiber optic connectors.



Assemblies & Connectors:

MTP® Assemblies

MTP® assemblies offer a reliable way to terminate multiple fibers in a compact housing design; offered with either ribbon fiber or ribbonized individual fibers. Multifiber ferrules are available with 4, 8, 12, 24, and 72 positions. Connectors are available in male, female, or ferrule-only versions which are keyed for proper insertion.



POF Terminations

Terminations of all types of plastic optical fibers.



Collimators

Advanced collimator alignment equipment can produce collimators with extremely accurate pointing angles and working distances.



LC Connector

Half the size of industry standard connectors, the LC provides duplex capacity in the space of current single connection. Low loss characteristics are especially desirable in today's high-speed network environment.



SC Connector

Available with multimode or single mode cable and in simplex and duplex versions that can be terminated onto any type of cable.



ST® Connector

Available with multimode or single mode fiber cables. The ST® can be terminated onto any type of cable and is available with a 3mm or 900µm boot.

Connecting Innovation to Application®