

# LET SENKO HELP YOU GO GREEN

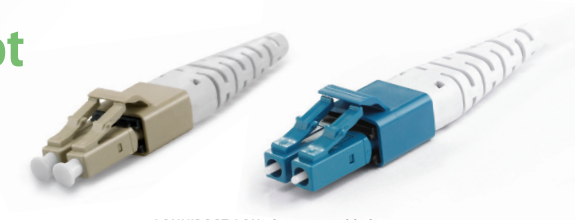


SENKO MPO and LC Uniboot connectors offer a solution to facility managers facing rising challenges in cooling efficiency, energy costs, and space restrictions of their data centers.

Servers are becoming smaller and faster, allowing for dozens to be stacked inside of existing data centers. As every server puts out heat, it is more difficult to keep up with the cooling demands while keeping the system efficient and cost effective. SENKO's LC Uniboot connectors allow for two connectors to use one cable. This cuts cable density in half and allows more cool air to flow near the servers, where it is the warmest. SENKO's MPO connector works in a similar way, but with multi-mode ribbon fiber cable that can cut cable density by up to 12x.

To learn more about how SENKO can help you **GO GREEN**, contact us at 1-800-32-SENKO.

## LC Uniboot



*LC UNIBOOT, LC Uniboot assembled*

The SENKO LC Uniboot connector is a unique design that allows a single round duplex 3mm cable to be used for a duplex connector. This compact, easy to terminate connector kit has a simple round crimp design and incorporates standard SENKO 900µm LC connectors, so you will experience the normal optical performance of SENKO's proven LC design. The LC uses a single cable with two fibers cutting down cable count and weight by half.

## MPO Connector



*MPO Male Connector  
Multimode*

*MPO Female Connector  
Singlemode*

*MPO with Ribbon Fiber Boot  
Singlemode*

The SENKO MPO connector is a multifiber connection used in high-density backplane and Printed Circuit Board (PCB) applications in data and telecommunications systems. MPO connectors utilize precision molded MT ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating. The MPO can be mass terminated in combinations of 4, 8, or 12 fiber ribbon cables, providing significant space and cost savings.

- ▶ Cut Cost
- ▶ Cut Cable Density
- ▶ Increase Air Flow
- ▶ Increase Cooling System Efficiency
- ▶ Create More Space

## LC Uniboot

### Applications

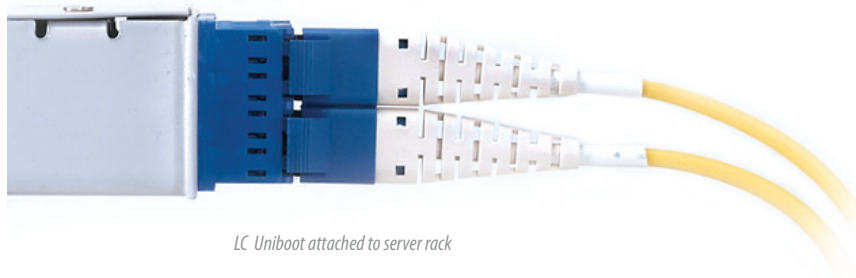
- ▶ Telecom / Datacom
- ▶ LANs, CATV assistance
- ▶ Fiber to the Home
- ▶ Premises Distribution
- ▶ Gigabit Applications (Ethernet, ATM, SONET, etc.)
- ▶ FTTX

### Features

- ▶ Compact, pull-proof design, with RJ-45 style interface
- ▶ Fully compatible with standard LC products
- ▶ Optional anti-snap simplex collar and duplex clip
- ▶ Connector body can be used for both simplex and duplex configurations

- ▶ Average insertion loss: 0.06 dB\*
- ▶ Average return loss: 55 dB\*
- ▶ Plastic housing and boot made from UL-rated materials

\*Specifications shown above were obtained using SENKO recommended products and procedures.



LC Uniboot attached to server rack

## MPO Connector

### Applications

- ▶ Telecom / Datacom
- ▶ Parallel optical interconnect between PC cards and patch panels
- ▶ Interconnection for O/E modules
- ▶ Optical Switch interframe connections
- ▶ Gigabit Ethernet
- ▶ CATV

- ▶ Video
- ▶ Active Device / Transceiver Interface
- ▶ Premise Installations
- ▶ Telecommunication Networks
- ▶ Multimedia
- ▶ Industrial & Military
- ▶ FTTX

### Features

- ▶ Precision molded MT ferrule
- ▶ High precision guide pins for exact alignment
- ▶ Compact design, up to 24 fiber ribbons IEC 61754-7 Compliant\*
- ▶ Telcordia GR-1435-CORE compliant\*
- ▶ Polishing does not require diamond film

\*Specifications shown above were obtained using SENKO recommended products and procedures.

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