

# MEGLADON<sup>®</sup>

## MANUFACTURING GROUP, LTD

A MEMBER OF THE TYREX TECHNOLOGY FAMILY

# SCRATCH RESISTANT

## *Fiber Optics*

- SCRATCHGUARD™ Technology
- Low Loss
- Contamination Resistant
- Repeatable & Reliable



*The only Patch Cords with a tempered end face*

**CORNING**

Member of Cable  
Assembly House Program



**Bicsi**<sup>®</sup>  
CORPORATE  
MEMBER

# MEGLADON<sup>®</sup>

## MANUFACTURING GROUP, LTD

A MEMBER OF THE TYREX TECHNOLOGY FAMILY

*What makes*

## HLC<sup>®</sup> Fiber Optic Patch Cables Unique?


*Durability of the Hardened Lens Contact*

Optical Return Loss 200% Better  
than industry specifications...

an **Affordable** Price!

Megladon's HLC SCRATCHGUARD™ fiber optic products are unique in the industry. These products incorporate the HLC, Hardened Lens Contact mating surface. HLC is a fiber optic termination process that produces an extremely durable, tempered glass end face.

The result is a product that features high performance interconnects that are far more durable than any other cable on the market today. HLC patch cords offer Optical Return Loss that is 200% lower than industry specifications, at an affordable price. With over 2 million connectors deployed worldwide, HLC is a proven technology delivering superior, measurable results.

Features & Benefits of HLC	HLC SCRATCHGUARD Products	Quality Specifications
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>● Reference cable quality</li> <li>● Dust and Scratch resistant</li> <li>● Easy cleaning</li> <li>● SCRATCHGUARD technology</li> <li>● Extended life span</li> <li>● Withstands multiple matings</li> <li>● Compatible with all existing connectors</li> </ul> <p><b>Benefits</b></p> <ul style="list-style-type: none"> <li>● Repeatable network performance</li> <li>● Network reliability</li> <li>● Easy to install</li> <li>● Reduced network downtime</li> <li>● Increased customer satisfaction</li> <li>● Saves time and money</li> </ul>	<ul style="list-style-type: none"> <li>● SM and MM HLC Patch Cords</li> <li>● Bend Insensitive HLC Patch Cords</li> <li>● 100x Bend Insensitive HLC Angle Polished Patch Cords</li> <li>● MM HLC 50um 10 GIG OM3 Patch Cords</li> <li>● SM and MM HLC Test Reference Patch Cords</li> <li>● SM Build-Out Attenuators</li> <li>● WDM, Coupler &amp; Splitter Products</li> <li>● SM APC HLC CATV Node Cables</li> <li>● SM &amp; MM Multi Fiber Trunk Cables</li> <li>● Fiber Optic Distribution Panels</li> </ul>	<ul style="list-style-type: none"> <li>● 100% Tested for optical performance</li> <li>● Out of box audit using .65 AQL Zero Based Acceptance Plan results in 99.35% Quality Level</li> <li>● Each Assembly is bar code serialized and test data is available on line</li> <li>● ISO 9001-2000 Registered firm</li> </ul> <p>A11257  ISO 9001:2000</p>

# MEGLADON<sup>®</sup>

## MANUFACTURING GROUP, LTD

A MEMBER OF THE TYREX TECHNOLOGY FAMILY

### HLC<sup>®</sup> SCRATCHGUARD<sup>™</sup> Patch Cords

#### SM and MM HLC

Today's high speed networks demand the highest quality fiber optic connections to ensure reliable performance. Contamination, scratches and poor geometry degrade network performance and cause failures during peak traffic. You need a reference quality connection with durable mating surfaces to improve network performance and reduce system failures.

#### Bend Insensitive HLC

Bend loss has become a big issue in fiber optic networks and will rob you of your power budget. The HLC technology has been integrated with both 10x and 100x bend insensitive fiber to minimize bend loss. The same durability and optical performance without loss due to routing and bend radius.

#### 100x Bend Insensitive APC HLC

Specifically designed for video transmission applications where reflection is an issue, the bend insensitive APC HLC products outperform all traditional products on the market. Durability, ultra low insertion loss, return loss and bend loss.

#### MM 10 GIG OM3 HLC

Designed for data centers and other high throughput applications, Megladon offers a 10 GIG OM3 patch cord that incorporates the HLC SCRATCHGUARD technology. This provides a reliable product that will withstand multiple matings and outperform anything on the market.

#### SM and MM Test Reference HLC

Developed for test equipment manufacturers and Network Managers, the HLC test reference family of products ensures reliable test results even with repeated matings. This saves time and money during network installation and maintenance.

#### SM HLC APC CATV Node Cables

Aerial node cables with 5/8 inch entry connector designed for CATV applications. The breakout allows for expansion and contraction of glass to produce a reliable product in adverse temperature conditions. Configurations include both HLC and HLCAPC connectors, SMF or bend insensitive fiber and armored jacket.

#### SM and MM HLC Multi Fiber Trunk Cables

Megladon manufactures all types of fiber optic trunk cables / multi-fiber assemblies. All fiber trunk cables are factory polished with the HLC process. These fiber cable assemblies are suitable for applications such as:

- Local Area Networks (LAN)
- Data Centers
- Storage Area Networks (SAN)



## Megladon's Fiber Optic Distribution Panels

Megladon's high quality fiber distribution panels are designed to provide termination, connection, splice and access points for fiber optic circuits. The panel's come in a standard 1U, 2U, 4U and 5U shell and can accommodate up to 144 terminations using 6, 8 and 12 pack adapter plates.

These panels can be ordered individually or pre-terminated with trunk cabling.

- 7 inch/4U Panel dimensions: 7 in. Height X 17 in. Width X 11 in. Depth
- 9 inch/5U Panel dimensions: 9 in. Height X 17 in. Width X 11 in. Depth
- Hinged, smoked transparent front door and removable rear door.
- Shipped with rack mount brackets
- Wall mount brackets are available and ordered separately.

Blank labels for identifying fiber terminations



## WDM, Coupler and Splitter Products

WDM, coupler and splitter products are offered in a variety of configurations. Whether you require hybrid connectors, custom length legs, non-standard split ratios or unusual wavelength combinations, our products are designed to meet your needs.

Passive products utilize our HLC termination process on all SC, FC, LC and ST connectors to establish the most durable and repeatable connection in the fiber optic marketplace. The HLC connections also provide an extended product lifespan and ultra low loss.



## SM Build-out Attenuators

Megladon's fixed and variable attenuators provide highly accurate attenuation values that translate into repeatable performance. The attenuation method used ensures wavelength independence and excellent directivity, both critical for bidirectional applications.

## About the company:

Megladon is a relationship company that is committed to the success of our customers and our employees. We strive for quality in every transaction. Megladon is part of the TyRex Technology Family of Companies. Our company culture is based on the TyRex Diamond Disciplines of Economic Prosperity, Entrepreneurship, Professionalism, Employee Well-Being, and Community Citizenship. We believe all five disciplines must be not only present, but in balance in order to succeed.

Our quest is to become "Special" as well as successful. We operate on the principles of the "Built To Last" philosophy. Our individual commitments to our customers, vendors, communities, and each other builds the strong foundation that will prove invaluable in the years ahead.

# The TyRex Technology Family



www.sabere.com

**SabeRex DTR & PCB Division**  
Austin/Nashville  
12317 Technology Blvd. Suite 100  
Austin, TX 78727  
512.623.4694  
f. 512.623.4790



**siliconservices**  
Custom Chip Applications  
512.615.4610

www.siliconserv.com



*Custom and DSL  
Copper Cabling  
Solutions*  
512.835.1200

www.irexmf.com



*Board Design  
& Integrated  
Business  
Services*  
512.615.4610

www.dlinnovations.com



*Deaton Engineering:*  
*Product Design,  
Engineering, & Development*  
512.930.9908

Visit us on-line at [www.megladonmfg.com](http://www.megladonmfg.com) or [www.tyrexmfg.com](http://www.tyrexmfg.com)