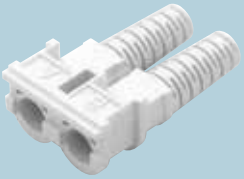
MEGLADON®
MANUFACTURING GROUP, LTD

A TyRex Technology Family Company

DUPLEX MINI BOOT PULL TAB

SIMPLEX PULL TAB

SIMPLEX PULL TAB HIGH



DUPLEX MINI BOOT

PUSH-PULL UNIBOOT

DUPLEX UNIBOOT PULL TAB

DUPLEX FINGER TRIGGER

HLC® SCRATCHGUARD® LC High-Density Products

The Megladon Difference

The **LC Products** manufactured by Megladon are designed to support the density needs of the modern data center and telecom environments. Every cable is built from the highest quality materials from the top manufacturers in the industry, and all assemblies are factory-terminated and tested to standards beyond industry requirements.

The LC High-Density Product Line provides variations on the standard LC connector design that expand its density capabilities and usability. The pull tabs allow for installation and disengagement of the connector without specialized tools, which supports higher density deployments. The variety of boot options can accommodate any panel spacing requirements and all major cable types. All LC-HD products are fully compatible and intermatable with existing LC products and adapters. All terminated assemblies utilize Megladon's patented HLC termination process – providing industry-leading performance and durability.

For full details on Megladon's HLC process and products, please visit megladonmfg.com.

KEY BENEFITS

- Exclusive HLC Termination Process
- Reference Grade IL & ORL Performance
- SCRATCHGUARD Durable Mating Surface
- SM, Bend Insensitive, MM50 OM3 & OM4 Glass
- Easy access in dense applications
- Up to 60% increase in panel density
- Compatible with all existing LCs
- Built to specified length

APPLICATIONS

- Data Center
- Telecom Head End
- Local Area Networks (LAN)
- Storage Area Networks (SAN)
- High Density Access Panels
- Hard-To-Reach Ports

MEGLADON MANUFACTURING GROUP, LTD.
CERTIFIED TO ISO 9001:2015
CERTIFICATE NO. 10002556

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HLC® SCRATCHGUARD® LC High-Density Products

PERFORMANCE CHARTS

Singlemode (SM) Cables			
Wavelength 1310 & 1550	*Min*	*Max*	*Units*
Initial Insertion Loss (HLC)		-0.15	dB
Initial Return Loss (HLC)		-58	dB
Initial Insertion Loss (APCHLC)		-0.2	dB
Initial Return Loss (APCHLC)		-70	dB
Connector Repeatability (IL Change)		0.05	dB
Temperature Cycling (IL Change)		0.05	dB
Temperature Cycling (RL Change)		3	dB
Vibration Loss (IL Change)		0.05	dB
Vibration Loss (RL Change)		3	dB
Cable Retention Loss (IL Change)		0.1	dB
Cable Retention Loss (RL Change)		5	dB

Multimode (MM) Cables			
Wavelength 850 & 1300	*Min*	*Max*	*Units*
Initial Insertion Loss (HLC)		-0.1	dB
Initial Return Loss (HLC)		-45	dB
Connector Repeatability (IL Change)		0.05	dB
Temperature Cycling (IL Change)		0.05	dB
Temperature Cycling (RL Change)		3	dB
Vibration Loss (IL Change)		0.05	dB
Vibration Loss (RL Change)		3	dB
Cable Retention Loss (IL Change)		0.1	dB
Cable Retention Loss (RL Change)		5	dB

PHYSICAL & ENVIRONMENTAL CHARACTERISTICS

Singlemode (SM) Cables			
	Min	*Max*	*Units*
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
SM Optical Wavelength	1250	1640	nm
Radius of Curvature (HLC)	10	20	mm
Radius of Curvature (APC)	7	12	mm
Apex Offset	0	50	um
Fiber Height	Fn (ROC)	50	nm
Angle (HLC)	-0.2	0.2	degrees
Angle (APCHLC)	7.8	8.2	degrees

Multimode (MM) Cables			
	Min	*Max*	*Units*
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
MM Optical Wavelength	790	1380	nm
Radius of Curvature (HLC)	10	20	mm
Apex Offset	0	50	um
Fiber Height	Fn (ROC)	50	nm
Angle (HLC)	-0.2	0.2	degrees

MEGLADON®
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Your Fiber Optic Solutions Partner ● Reliable - Rugged - Repeatable

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