

# MEGLADON<sup>®</sup>

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



## 1.2mm Singlemode HLC<sup>®</sup> Patch Cables

### *The Megladon Difference*

Megladon **1.2mm Singlemode (SM) Patch Cables** satisfy the needs of ultra-dense environments without compromising the physical durability of the cable. The 1.2mm cable requires 1/3 of the routing space of a typical 2.0mm cable, but without any compromise in durability and cable strength. The HLC laser process is applied to all connectors, and creates industry-leading performance and durability.

**For more information on Megladon's HLC process and products, please visit [megladonmfg.com](http://megladonmfg.com).**

### KEY BENEFITS

- ✓ SC & LC Connectors, UPC and APC
- ✓ HLC Terminations provide best-in-class performance and durability
- ✓ Bend Insensitive Fiber
- ✓ Full compatibility with industry-standard glass and connectors

### APPLICATIONS

- ▶ Head Ends
- ▶ Data Centers
- ▶ Cross-Connect & Distribution
- ▶ DWDM Systems
- ▶ Carrier Networks



MEGLADON MANUFACTURING GROUP, LTD.  
CERTIFIED TO ISO 9001:2015  
CERTIFICATE NO. 1098256

# 1.2mm Singlemode HLC® Patch Cables



## PERFORMANCE CHARACTERISTICS

Megladon 1.2mm SM HLC Patch Cables			
Wavelength 1310 & 1550 nm	Min	Max	Units
Initial Insertion Loss (UPC)		-0.15	dB
Initial Return Loss (UPC)		-58	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

## ENVIRONMENTAL CHARACTERISTICS

Megladon 1.2mm SM HLC Patch Cables			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
Bend Radius (BIXS)	7.5		mm
SM Optical Wavelength	1280	1625	nm
Radius of Curvature	10	20	mm
Apex Offset	0	50	um
Fiber Height	Fn (ROC)	50	nm
Angle	-0.2	0.2	degrees

**MEGLADON**®  
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**Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable**

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