

# MEGLADON<sup>®</sup>

## MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



## HLC<sup>®</sup> SCRATCHGUARD<sup>®</sup> Singlemode Patch Cables

### *The Megladon Difference*

The **Singlemode (SM) Patch Cables** manufactured by Megladon exceed industry standards for optical performance and durability. Every patch cable is built from the highest quality materials from the top manufacturers in the industry, and all assemblies are factory-terminated and tested to the highest industry standards, including GR-326.

Megladon is capable of terminating all common fiber optic connectors, including SC, LC and MPO / MTP<sup>®</sup> varieties. An array of cable types are available, including riser, plenum and numerous jacket colors and diameters. All terminated assemblies utilize Megladon's patented HLC termination process – providing industry-leading performance and durability.

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

### KEY BENEFITS

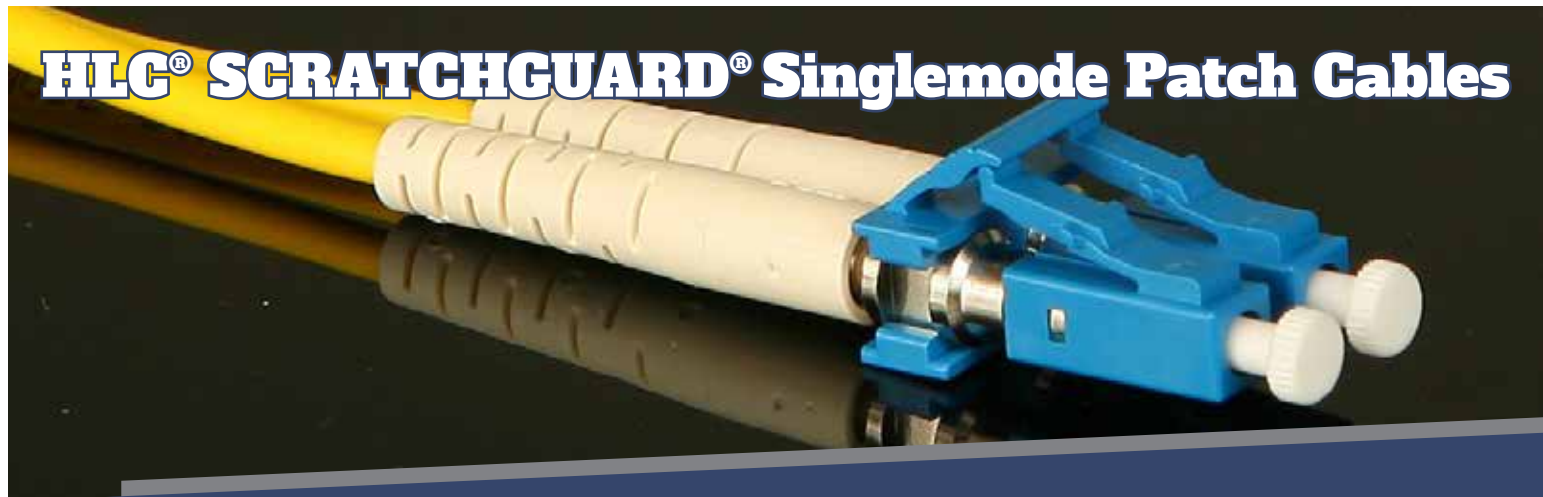
- ✓ Exclusive HLC Termination Process
- ✓ Reference Grade IL & ORL Performance
- ✓ SCRATCHGUARD Durable Mating Surface
- ✓ GR-326 Compliant Materials & Geometry
- ✓ SMF & Bend Insensitive Glass Types available
- ✓ Built to Specified Lengths

### APPLICATIONS

- ▶ Horizontal Cabling
- ▶ Central Office Distribution
- ▶ Head End Distribution
- ▶ Indoor Cross Connects
- ▶ Data Centers



# HLC® SCRATCHGUARD® Singlemode Patch Cables



## PERFORMANCE CHARACTERISTICS

Megladon HLC SCRATCHGUARD SM Patch Cables			
Wavelength 1310 & 1550	Min	Max	Units
Initial Insertion Loss (UPC)		-0.2	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 HLC SCRATCHGUARD SM Patch Cables			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
Bend Radius (SMF)	30		mm
Bend Radius (BB)	10		mm
Bend Radius (BBXS)	7.5		mm
SM Optical Wavelength	1250	1640	nm
Radius of Curvature	7	25	mm
Apex Offset	0	50	um
Fiber Height	-50	50	nm
Angle	-0.2	0.2	degrees

## PART NUMBER GENERATOR

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>7</b>
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Glass Type	Connector	Connector	Fiber Type	Jacket Type
<b>1:</b> SMF	<b>A:</b> SCHLC	<b>A:</b> SCHLC	<b>S:</b> Simplex	<b>1:</b> 900um
<b>7:</b> SM Bend Insensitive	<b>B:</b> FCHLC	<b>B:</b> FCHLC	<b>D:</b> Duplex	<b>2:</b> 3mm RISER
<b>8:</b> SM Bend Insensitive XS	<b>C:</b> STHLC	<b>C:</b> STHLC	<b>O:</b> Other	<b>4:</b> No Jacket
	<b>D:</b> LCHLC	<b>D:</b> LCHLC		<b>5:</b> 2.0mm RISER
	<b>J:</b> LCAPCHLC	<b>J:</b> LCAPCHLC		<b>7:</b> Other
	<b>L:</b> FCAPCHLC	<b>L:</b> FCAPCHLC		<b>8:</b> 4.8mm
	<b>R:</b> SCAPCHLC	<b>R:</b> SCAPCHLC		<b>9:</b> 2.0mm PLENUM
		<b>X:</b> Pigtail		

Length	Length	Length	Units
Please include 3 Digits for Length Use "o" as place holder			<b>M:</b> Meter
			<b>F:</b> Foot

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

12317 Technology Blvd., Ste. 100 • Austin, Texas • (512) 491-0006 • megladonmfg.com