

# SM HLC® SCRATCHGUARD™ Patch Cords

Your network is valuable, but your time is more valuable. Wouldn't you rather spend your time managing your network instead of maintaining your fiber optic patch cables? Megladon's HLC products provide you that option.

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

If you want to prevent maintenance issues and traffic failures, there is only one choice – Megladon. Your customers will thank you.



## Features:

- Low maintenance matings
- Reference cable quality
- Easy cleaning
- SCRATCHGUARD
- Extended life span
- Will withstand multiple matings
- Compatible with all existing connectors
- Lowest loss in the marketplace
- High quality components

## Benefits:

- Repeatable network performance
- Network reliability
- Easy to install
- Reduced network down time
- Increased customer satisfaction
- Saves time and money

## Quality Assurance:

- HLC assemblies are 100% tested for optical performance
- Out of box audit using .65 AQL Zero Based Acceptance Plan results in 99.35% Quality Level
- Each assembly is bar code serialized and test data is stored on line
- ISO 9001-2000 registered firm
- GR-326 Compliant



SM HLC assembly with serial number and bar code label.

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# SM HLC® SCRATCHGUARD™ Patch Cord Specification

	<b>Min</b>	<b>Max</b>	<b>Units</b>
<b>Storage Temperature</b>	<b>-40</b>	<b>85</b>	<b>C</b>
<b>Humidity</b>	<b>5</b>	<b>95</b>	<b>% Relative</b>
<b>Bend Radius</b>	<b>15</b>		<b>mm</b>
<b>Optical Wavelength Range</b>	<b>1250</b>	<b>1640</b>	<b>nm</b>
<b>Radius of Curvature</b>	<b>10</b>	<b>20</b>	<b>mm</b>
<b>Apex Offset</b>	<b>0</b>	<b>25</b>	<b>um</b>
<b>Fiber Height</b>	<b>Fn(ROC)</b>	<b>50</b>	<b>nm</b>
<b>Angle</b>	<b>-0.2</b>	<b>0.2</b>	<b>degrees</b>

## Wavelength 1310 and 1550

	<b>Min</b>	<b>Max</b>	<b>Units</b>
<b>Initial Insertion Loss</b>		<b>0.2</b>	<b>dB</b>
<b>Initial Return Loss</b>		<b>65</b>	<b>dB</b>
<b>Connector Repeatability (IL Change)</b>		<b>0.05</b>	<b>dB</b>
<b>Temperature Cycling (IL Change)</b>		<b>0.05</b>	<b>dB</b>
<b>Temperature Cycling (RL Change)</b>		<b>3.0</b>	<b>dB</b>
<b>Vibration Loss (IL Change)</b>		<b>0.05</b>	<b>dB</b>
<b>Vibration Loss (RL Change)</b>		<b>3.0</b>	<b>dB</b>
<b>Cable Retention Loss (IL Change)</b>		<b>0.1</b>	<b>dB</b>
<b>Cable Retention Loss (RL Change)</b>		<b>5.0</b>	<b>dB</b>