SM Angle Polished HLC® SCRATCHGUARD™ Patch Cords

The singlemode APC HLC patch cords with SCRATCHGUARD provide CATV and high speed video applications a reliable network that will please their customers and improve customer retention. The HLC technology provides a scratch resistant, reference quality end face that prevents many of the issues faced by network installers and managers today. The loss specification for these assemblies is the lowest in the industry.

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.

Megladon Manufacturing Group, Ltd.
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SM Angle Polished HLC® SCRATCHGUARD™ Patch Cord Specification

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

Wavelength 1310 and 1550

	Min	Max	Units
Initial Insertion Loss		**0.2**	**dB**
Initial Return Loss		**75**	**dB**
Connector Repeatability (IL Change)		**0.05**	**dB**
Temperature Cycling (IL Change)		**0.05**	**dB**
Temperature Cycling (RL Change)		**3.0**	**dB**
Vibration Loss (IL Change)		**0.05**	**dB**
Vibration Loss (RL Change)		**3.0**	**dB**
Cable Retention Loss (IL Change)		**0.1**	**dB**
Cable Retention Loss (RL Change)		**5.0**	**dB**

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