MEGLADON®
MANUFACTURING GROUP, LTD

A TyRex Technology Family Company

HLC® SCRATCHGUARD® Test Reference Cables

The Megladon Difference

Test Reference Cables manufactured by Megladon are the highest-performing fiber optic cables available and are specifically designed to be the ideal cord for testing fiber optic connectors.

Our team carefully selects all of the components, from precision-drilled ferrules to controlled core glass, to ensure the best possible performance from the assembly. We apply our patented HLC termination process to every connector, creating the best possible optical performance (IL & ORL) and unsurpassed endface durability. The extended durability of the HLC connectors ensures better test data over extended use and reduced expense in product testing.

For more information on Megladon's HLC process and products, please visit megladonmfg.com.

KEY BENEFITS

- Exclusive HLC Termination Process
- SCRATCHGUARD Durable Mating Surface
- Available in all major connector & fiber types
- Exceptional Optical Performance
- High-Precision Materials
- Custom built for test application

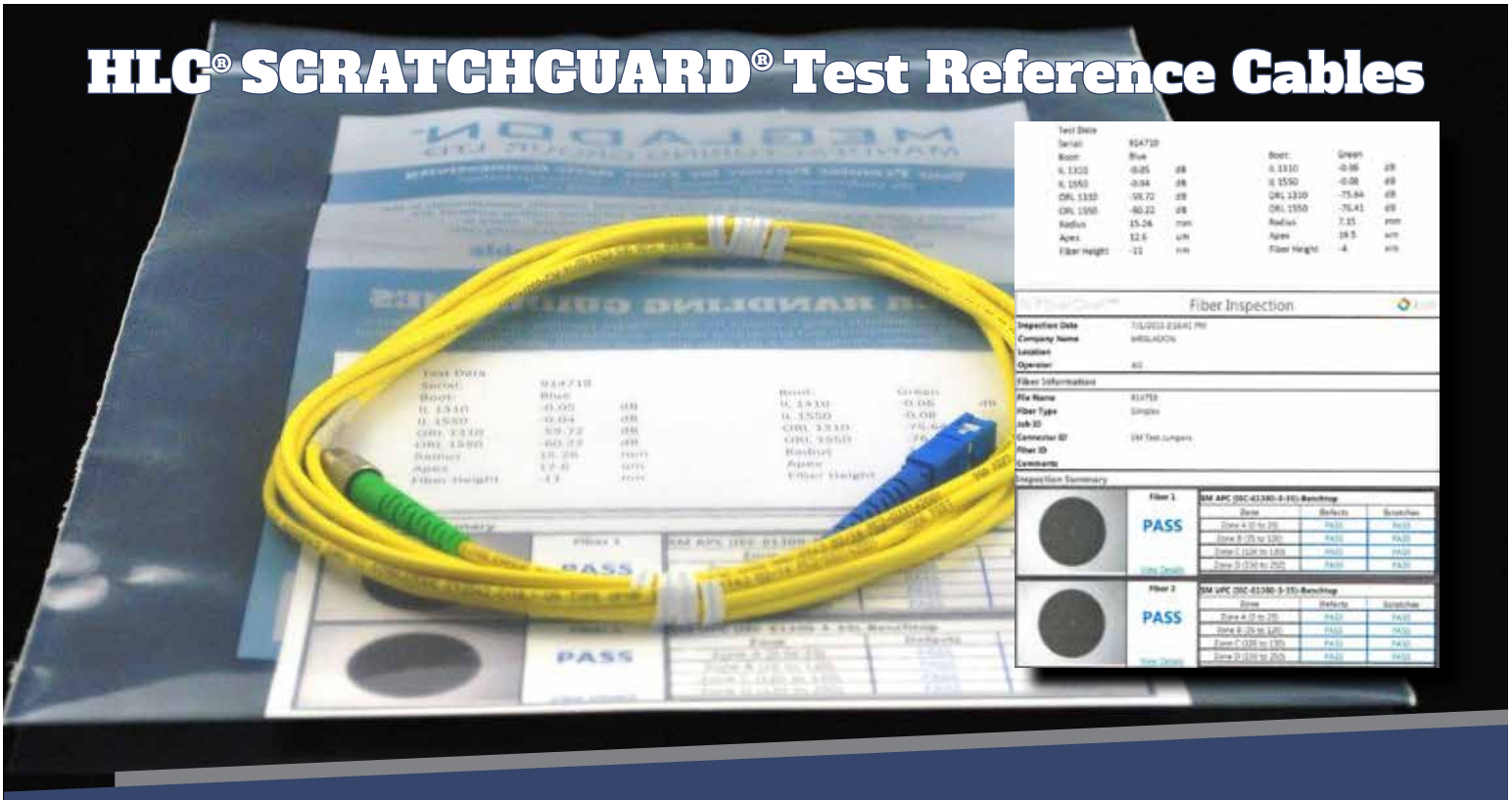
APPLICATIONS

- Fiber Optic Performance Testing
- Manufacturing Lines
- Fiber Loss Test Sets
- Optical Return Loss Meters
- Lab Instrumentation

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

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

HLC® SCRATCHGUARD® Test Reference Cables



PERFORMANCE CHARACTERISTICS

Megladon HLC SCRATCHGUARD Singlemode (SM) Test Reference Cables			
Wavelength 1310 & 1550			
UPC	***Min***	***Max***	***Units***
Initial Insertion Loss (UPC)		-0.10	dB
Initial Return Loss (UPC)		-60	dB
APC	***Min***	***Max***	***Units***
Initial Insertion Loss		-0.10	dB
Initial Return Loss		-75	dB

Megladon HLC SCRATCHGUARD Multimode (MM) Test Reference Cables			
Wavelength 850 & 1300			
UPC	***Min***	***Max***	***Units***
Initial Insertion Loss (UPC)		-0.07	dB
Initial Return Loss (UPC)		-45	dB

ENVIRONMENTAL CHARACTERISTICS

Megladon HLC SCRATCHGUARD Test Reference Cables			
	Min	***Max***	***Units***
Radius of Curvature (UPC)	10	20	mm
Radius of Curvature (APC)	7	12	mm
Apex Offset	0	25	um
Fiber Height	-50	+25	nm
Key Error (APC)	-0.2	0.2	degrees
Angle (APC)	7.8	8.2	degrees

STANDARD CONNECTOR SPECS

Megladon HLC SCRATCHGUARD Test Reference Cables	
Mating Durability	1000+ mates
Drill Hole	125um +0.5/-0um
Concentricity	0.3um drill hole to ferrule

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

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Megladon Manufacturing:
TRC-1ADS2-002M TRC-6ADS2-002M TRC-1AAS2-002M TRC-6ACS2-002M TRC-1ACS2-002M TRC-6AAS2-002M