

MEGLADON[®]

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



HLC[®] SCRATCHGUARD[®] Singlemode Node Cables

The Megladon Difference

Singlemode (SM) Node Cables designed and manufactured by Megladon provide an extremely durable, high-performance and temperature-insensitive cable for CATV (cable television) deployments. We have carefully selected Hytrel Furcation Tubing, unique breakout epoxies and grommets custom made from brass for increased durability and seal from the elements. Our HLC connectors also provide elite optical performance.

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

KEY BENEFITS

- ✓ SCRATCHGUARD Durable Mating Surface
- ✓ Cable grommet with 5/8" NPT thread, watertight
- ✓ Hytrel Furcation Tubing for temperature insensitivity
- ✓ HLC Connectors for best-in-class durability and optical performance
- ✓ Available with all major connector types
- ✓ Custom length and breakout types available
- ✓ 2-12 fiber available
- ✓ Variety of SM glass types available, including bend insensitive

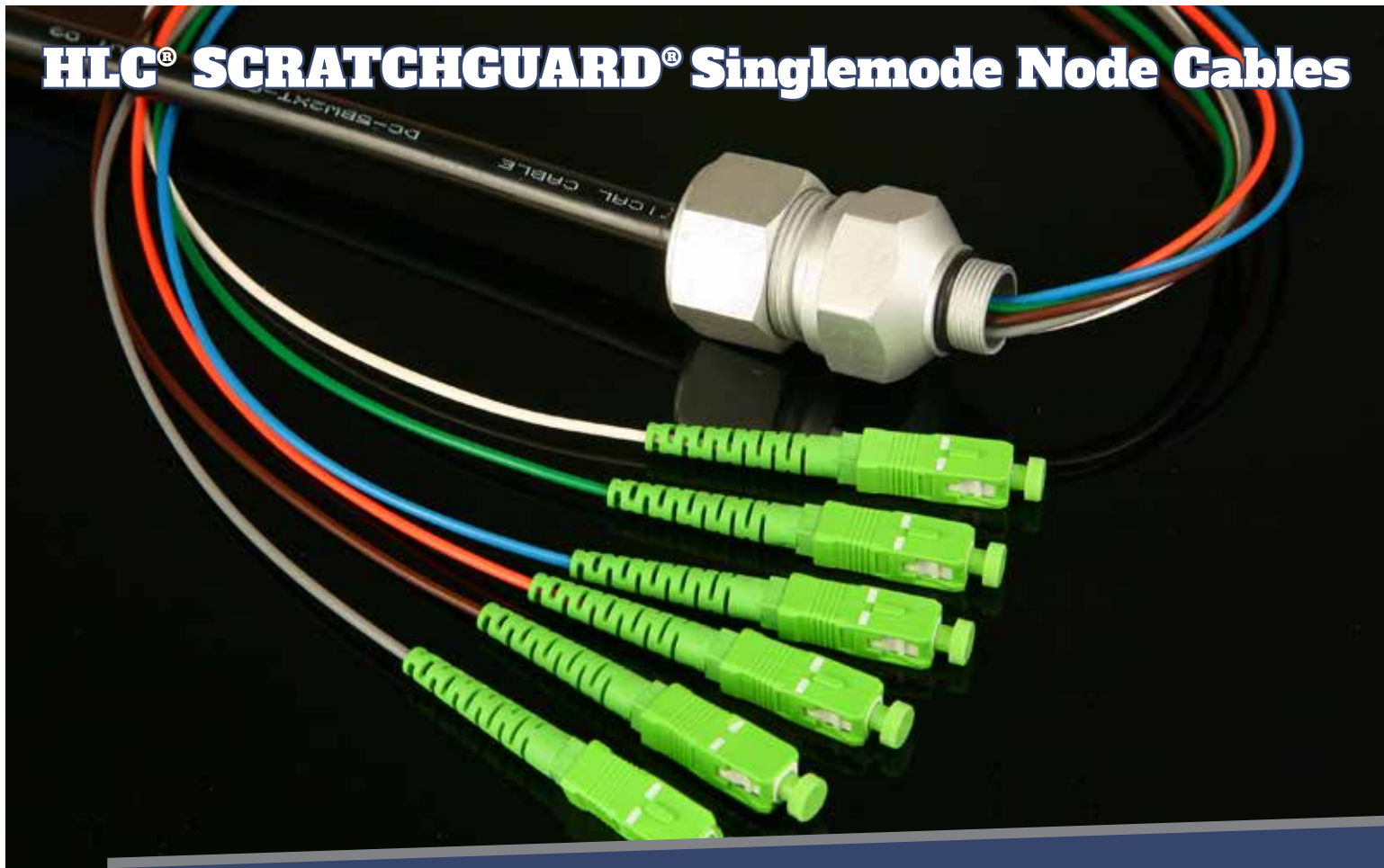
APPLICATIONS

- ▶ CATV (Cable Television)
- ▶ Broadband Networks
- ▶ Connect Optical Distribution to Backbone Fiber



MEGLADON MANUFACTURING GROUP, LTD.
CERTIFIED TO ISO 9001:2015
CERTIFICATE NO. 1088258

HLC® SCRATCHGUARD® Singlemode Node Cables



PERFORMANCE CHARACTERISTICS

Megladon HLC SCRATCHGUARD SM Node Cables			
Wavelength 1310 & 1550	Min	Max	Units
Initial Insertion Loss (HLC)		-0.2	dB
Initial Insertion Loss (HLC)		-58	dB
Initial Insertion Loss (HLC APC)		-0.2	dB
Initial Return Loss (HLC APC)		-75	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 Node Cables			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
SM Optical Wavelength	1250	1640	nm
Radius of Curvature (HLC)	10	20	mm
Radius of Curvature (APC)	7	12	mm
Apex Offset	0	25	um
Fiber Height	-25	+25	nm
Angle	-0.2	0.2	degrees
Angle (APC)	7.5	8.5	degrees

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Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable

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