

MEGLADON[®]

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



4.8mm Ruggedized Indoor / Outdoor Fiber Cables

The Megladon Difference

Megladon's **4.8mm Ruggedized Indoor / Outdoor Fiber Cables** are designed to provide a reliable solution for the challenges associated with multidwelling unit (MDU) deployments and FTTx cabling applications. This 4.8mm cable is a perfect fit for situations which require a rugged drop cable that can be used both indoors and outdoors.

To meet these needs, our product features a durable bend-insensitive fiber which can be stapled directly to rafters or wall studs without risk of damage. Megladon's patented HLC[®] termination process provides increased scratch resistance and maximum durability, while our indoor / outdoor cables are built from the highest-quality materials from the top manufacturers in the fiber cable industry. All assemblies are also factory-terminated and tested to the highest industry standards.

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

KEY BENEFITS

- ✓ Exclusive HLC (Hardened Lens Contact) Manufacturing Process
- ✓ Highly Flexible
- ✓ Indoor / Outdoor Cable Design
- ✓ SCAPC Connectors
- ✓ Staple-Proof Design
- ✓ Bend Insensitive Glass

APPLICATIONS

- ▶ FTTx
- ▶ Outside Plant Fiber
- ▶ MDU Deployments
- ▶ Harsh Environments
- ▶ Broadband Networks



MEGLADON MANUFACTURING GROUP, LTD.
CERTIFIED TO ISO 9001:2015
CERTIFICATE NO. 1082256

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PERFORMANCE CHARACTERISTICS

ENVIRONMENTAL CHARACTERISTICS

Megladon 4.8mm Ruggedized I/O Fiber Cables			
Wavelength 1310 & 1550	Min	Max	Units
Initial Insertion Loss (HLC)		-0.2	dB
Initial Return Loss (HLC)		-58	dB
Initial Insertion Loss (APCHLC)		-0.2	dB
Initial Return Loss (APCHLC)		-70	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

Megladon 4.8mm Ruggedized I/O Fiber Cables			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
Bend Radius	10		mm
SM Optical Wavelength	1250	1640	nm
Radius of Curvature (HLC)	7	25	mm
Radius of Curvature (APC)	5	12	mm
Apex Offset	0	50	um
Fiber Height	Fn (ROC)	50	nm
Angle (HLC)	-0.2	0.2	degrees
Angle (APCHLC)	7.5	8.5	degrees

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Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable

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