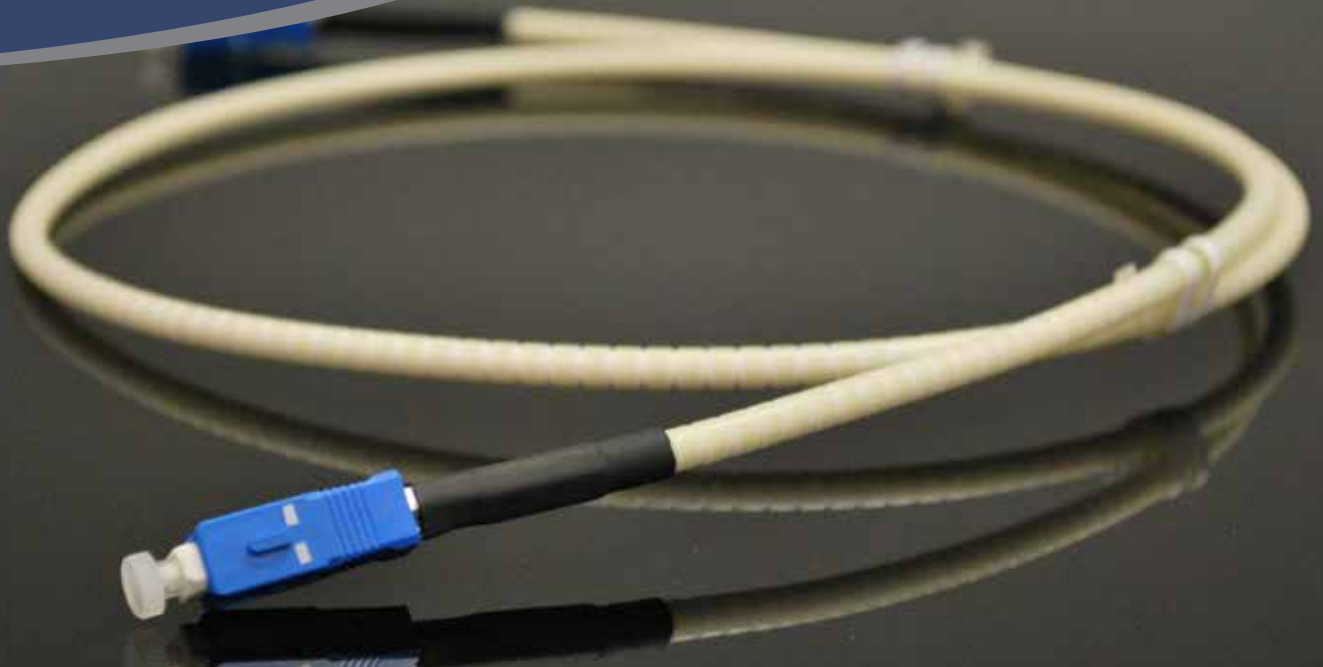


MEGLADON[®]

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



Ruggedized Cables & Trunks

The Megladon Difference

The **Ruggedized Cables & Trunks** manufactured by Megladon exceed industry standards for optical performance and durability. Every patch cable is built from the highest quality materials from the top manufacturers in the industry, and all assemblies are factory-terminated and tested to the highest industry standards, including GR-326. The rugged jacket comes in high density plastic and corrugated stainless steel, adding additional protection and crush resistance. Rugged cords can be built with all common connectors and glass types, and rugged jackets can also be used in trunk cable breakouts.

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

KEY BENEFITS

- ✓ Exclusive HLC Termination Process
- ✓ Reference Grade IL & ORL Performance
- ✓ SCRATCHGUARD[®] Durable Mating Surface
- ✓ GR-326 Compliant Materials & Geometry
- ✓ SM & MM Glass Types available
- ✓ Built to Specified Lengths

APPLICATIONS

- ▶ Harsh Environment
- ▶ Industrial



MEGLADON MANUFACTURING GROUP, LTD.
CERTIFIED TO ISO 9001:2015
CERTIFICATE NO. 10002256

Ruggedized Cables & Trunks

PERFORMANCE CHARACTERISTICS

Megladon Ruggedized SM Cables & Trunks			
Wavelength 1310 & 1550	Min	Max	Units
Initial Insertion Loss (UPC)		-0.2	dB
Initial Return Loss (UPC)		-58	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 Ruggedized MM Cables & Trunks			
Wavelength 850 & 1300	Min	Max	Units
Initial Insertion Loss (UPC)		-0.2	dB
Initial Return Loss (UPC)		-45	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 Ruggedized SM Cables & Trunks			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
Bend Radius (SMF)	30		mm
Bend Radius (BB)	10		mm
Bend Radius (BBXS)	7.5		mm
SM Optical Wavelength	1250	1640	nm
Radius of Curvature	7	25	mm
Apex Offset	0	50	um
Fiber Height	-50	50	nm
Angle	-0.2	0.2	degrees

Megladon Ruggedized MM Cables & Trunks			
	Min	Max	Units
Storage Temperature	-40	85	C
Humidity	5	95	% Relative
Bend Radius (BI)	15		mm
Bend Radius (standard)	30		mm
SM Optical Wavelength	790	1380	nm
Radius of Curvature	7	25	mm
Apex Offset	0	50	um
Fiber Height	Fn (ROC)	50	nm
Angle	-0.2	0.2	degrees

MEGLADON[®]
MANUFACTURING GROUP, LTD

Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable

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