Laser Optimized Cables

Applications

–10 Gigabit Ethernet
–Campus Networking
–Data Storage Connectivity
–Security Connections
–Testing

Features

–Simplex or duplex assemblies
–Riser or plenum rated
–Low insertion loss
–Custom lengths and colors
–FC, SC, ST, LC, MU and MT-RJ terminations

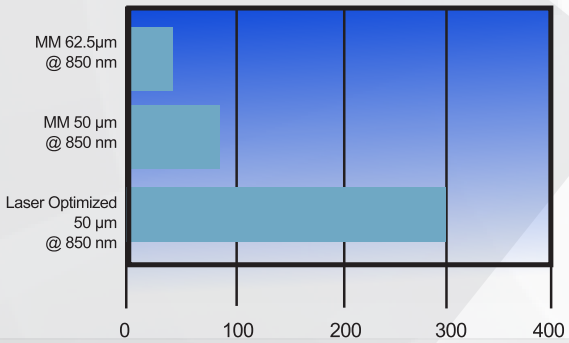
Benefits

–On-site, precision manufacturing
–Reliable and 100% tested
–Less expensive hardware

Overview

Laser optimized multimode fiber (LOMMF) cable assemblies offer a unique solution for premise networking applications by enabling data transmission over long distances, previously only available through single-mode solutions. By virtually eliminating differential mode delay (DMD), LOMMF cable assemblies can transmit data up to 520 meters, without the need for node re-interpretation.

Transmission Distance Comparison Chart for 10 Gig Ethernet



Performance

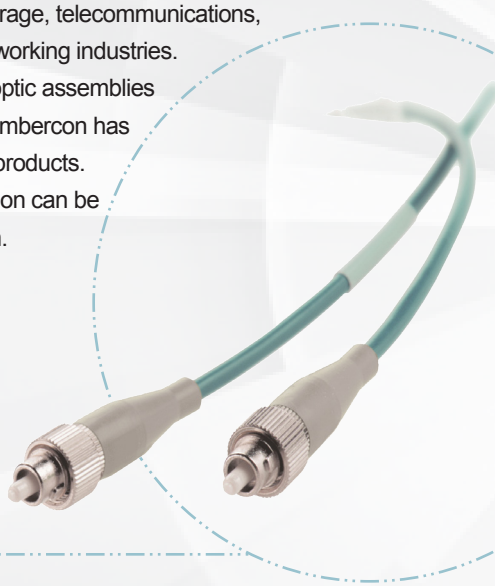
Insertion Loss (Typical)	Laser Optimized MM 50um
FC, ST, SC, LC, MU	0.35 dB
MTRJ	0.30 dB
Back Reflection (Typical)	≤-35 dB
Mating Durability (500 Cycles)	<0.20 dB
Temperature Range	-40°c to 85°c

Construction

	Buffer	Strength Member	Jacket
900um	900um	-	PVC
3mm Riser	900um	Kevlar	PVC
3mm Plenum	900um	Kevlar	PVC
Length Tolerance	<1m: +5cm / -0cm 1m - 10m: +10cm / -0cm >10m: +2% / -0%		

About Timbercon

Timbercon, Inc., founded in 1997, is a fiber optic product and solution manufacturing company providing a variety of connectivity solutions to the defense, aerospace, medical, data storage, telecommunications, industrial, broadcast and networking industries. In addition to standard fiber optic assemblies and attenuated loopbacks, Timbercon has pioneered many proprietary products. Additional company information can be found at www.timbercon.com.



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