

# Laser Optimized Cables

timbercon



## BENEFITS

- On-site, precision manufacturing
- Guaranteed customer satisfaction
- Reliable and 100% tested
- Less expensive hardware

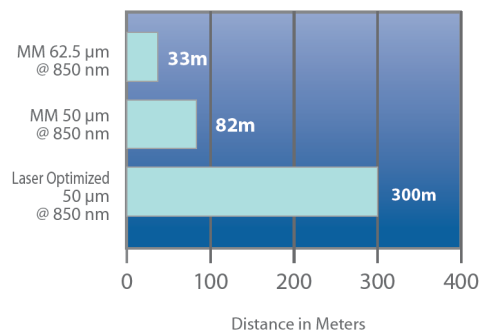
## APPLICATIONS

- 10 gigabit Ethernet
- Campus networking
- Data storage connectivity
- Security connections
- Testing

**Fiber optic cables from Timbercon: the innovative approach to light speed connections.**

Laser optimized multimode fiber (LOMMF) cable assemblies offer a unique solution for premise networking applications by enabling data transmission over longer 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**

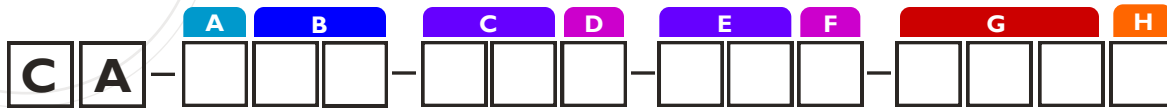


## PREMIUM SOLUTIONS

## 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

# Laser Optimized Cables



▶ PART NUMBER GENERATOR

## A - Fiber Type

- 1 MM 100um
- 2 MM 200um
- 4 SM 4um
- 5 MM 50um
- 6 MM 62.5um
- 7 OM3 MM 50um
- 9 SM 9um
- 0 Custom

## B - Construction

- 01 Bare 250um
- 02 900um
- 03 SX Riser 1.6
- 04 SX Riser 2.0
- 05 SX Riser 3.0
- 06 SX Plenum 1.6
- 07 SX Plenum 2.0
- 08 SX Plenum 3.0
- 09 DX Riser 1.6
- 10 DX Riser 2.0
- 11 DX Riser 3.0
- 12 DX Plenum 1.6
- 13 DX Plenum 2.0
- 14 DX Plenum 3.0
- 15 DX Riser DIB
- 16 DX Plenum DIB
- 17 DX Riser BO
- 18 DX Plenum BO
- 30 SX Stainless 3.0
- 32 DX Stainless 3.0
- 50 Lt. ARMOR SX
- 55 Lt. ARMOR DX
- 60 SX Monocoil 3.0
- 70 SX LSZH 3.0
- 71 DX LSZH 3.0
- 72 SX LSZH 2.0
- 73 DX LSZH 2.0
- 99 Custom

## C/E - Connector

- 00 No Connector
- 01 BICONIC
- 02 ESCON
- 03 FC
- 04 FC APC N
- 06 FDDI
- 07 LC
- 08 LC APC
- 17 MTRJ (F)
- 18 MTRJ (M)
- 19 MU
- 20 MU APC
- 21 SC
- 22 SC APC
- 25 SMA 905
- 26 SMA 906
- 27 ST
- 30 E2000
- 80 Pin Termini
- 81 Socket Termini
- 99 Custom

## D/F - End Polish

- 1 MM PC
- 3 SM UPC
- 4 SM APC
- 5 Flat
- 0 None (Pigtail)

## G - Cable Length

Enter unit length in whole numbers. Use block (H) to specify unit of measure.

EXAMPLE:

10 Meter Cable =  
(G) 010  
(H) M

## H - Unit of Measure

- N Inches
- F Feet
- C Centimeters
- M Meters
- K Kilometers

▶ 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%		

▶ TIP

Search OEM equivalent part numbers online at:  
<http://www.timbercon.com/oem-part-numbers>

▶ ABOUT

Founded in 1997, Timbercon, Inc. is a fiber optic product and solution manufacturing company providing a vast array of connectivity solutions to the data storage, telecommunications, military, industrial, broadcast and networking industries. In addition to standard fiber optic patch cords and attenuated test cables, Timbercon has pioneered proprietary products, many of which are now considered to be an industry benchmark.

