

# 10Gig Laser Optimized Solutions

Laser optimized multimode fiber cable assemblies offer a unique solution for premise networking applications by enabling data transmission over long distances, previously only available through single mode solutions. Laser Optimized 50/125 fiber is designed to utilize VCSEL lasers in the 850nm window to allow transmission speeds up to 10 Gigabits per second (Gbps) over greater distance.



## Performance Specifications

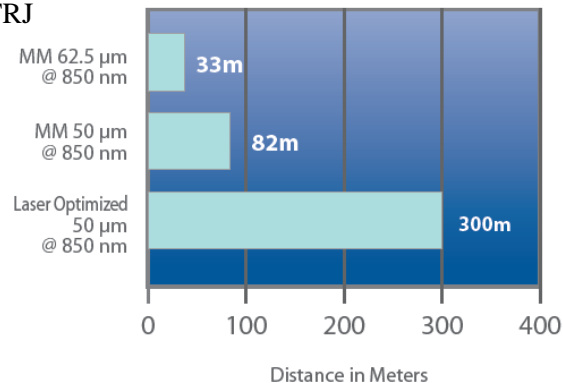


Optical Specifications	Multi-mode 50/125
Insertion Loss (max.)	0.5dB
Temperature Range	-40° -85°
Mating Durability	<0.2dB
Attenuation, dB/km max.	1.0

## Fiber Specifications

Connector Types	FC,ST,SC,LC,MTRJ OPTI-JACK
Wavelength, nm	850/1300
Core Diameter, μm	50
Cladding Diameter, μm	125

**Transmission Distance Comparison Chart for 10 Gig Ethernet**



## Construction Specifications

Jacket O.D.	Glass	Buffer	Strength Member	Jacket
1.6mm	Corning	900um	Kevlar	OFNR & OFNP
2.0mm	Corning	900um	Kevlar	OFNR & OFNP
3.0mm	Corning	900um	Kevlar	OFNR & OFNP

