

FC OM3 Pigtail

Avalon FC OM3 optical fiber system is the pinnacle of multimode fiber design that allows the new VCSEL based hardware and old legacy LED's to co-exist over the system. The 50/125 pigtailed are designed to utilize VCSEL lasers in 850nm window to allow a transmission speed for up to 10 Gigabit per second over a greater distance. This has 0.9mm fiber optic cable diameter that is usually installed inside the ODF unit. It specifies an insertion loss of up 0.3dB for all types while a maximum of 0.5dB for MTRJ. Mating durability is < 0.2db (500 cycles) per FOTP-21 while cable retention is > 10 lbs per FOTP-6 and an operating temperature of -20 to + 70 degrees Celsius.

Features

- Fully compatible with 50/125 multimode fiber applications.
- Used both LED and VCSEL laser light sources
- Designed for 10 Gigabit Ethernet application
- Factory Terminated 100 % optically tested for superior performance



Applications

- 10 gigabit Ethernet
- Campus Networking
- Data Storage Connections
- Networks Industrial, Mechanical and Military

Specification

Parameter	Condition	Min	Typical	Max
Insertion Loss			< 0.15	< 0.30
	SPC	> 40	> 45	
	UPC	> 50	> 55	
Return Loss	APC	> 60	> 65	
Mating Durability	1,000 times			< 0.20
Temperature Cycling	-400 — + 850			< 0.20
Humidity Cycling	750, RH 95%			< 0.20
Vibration	10-55Hz [3 Axis]			< 0.20
Impact	1.5m drop, 8 times			< 0.20

Ordering information

Part Number *	Description
ANPT-OM3-FC-LSZH-1MT	OM3 FC Multimode LSZH Pigtail , 1 meter