

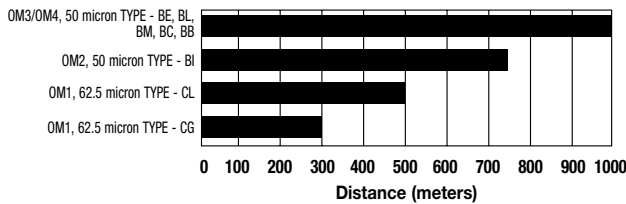
Fiber Specification and Selection

MULTIMODE FIBER SELECTION GUIDE

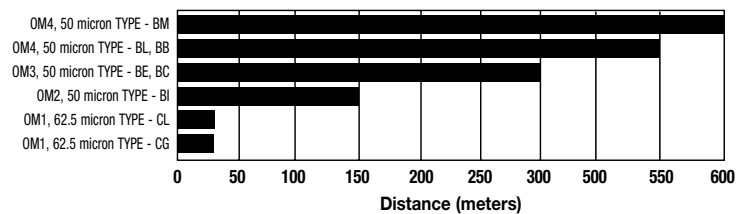
Optical Characteristics:		50/125 PRODUCT FAMILY						62.5/125 PRODUCT FAMILY		UNITS
		OM2 Type-BI	OM3 Type-BE	OM4 Type-BL	OM4 Type-BM	OM3 Type-BC	OM4 Type-BB	OM1 Type-CG	OM1 Type-CL	
Maximum Finished Cable Attenuation Coefficient	@850nm	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	dB/km
	@1300nm	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	dB/km
Overfill Launch Bandwidth	@850nm	700	1500	1500	1500	1500	1500	200	200	MHz.km
	@1300nm	500	500	500	500	500	500	500	500	MHz.km
Lasers Bandwidth	@850nm	850	2000	4700	5350*	2000	4700	220	385	MHz.km
Gigabit Ethernet Link Length (1 Gbps)	1000BASE-SX (850nm)	750	1000	1100	1100	1000	1100	300	500	meters
	1000BASE-LX (1300nm)	550	550	550	550	550	550	550	1000	meters
10 Gigabit Ethernet Link Length (10 Gbps)	10GBASE-SR (850nm)	150	300	550	600	300	550	33	33	meters

* Using 3.0 dB cable attenuation and 0.7 dB connector allocation

1 Gbps Link Lengths @ 850nm



10 Gbps Link Lengths @ 850nm



SINGLEMODE FIBER SELECTION GUIDE

FIBER DESCRIPTION	FIBER TYPE	TYPICAL ATTENUATION (dB/km)				GIGABIT ETHERNET DISTANCE (METERS)	10 GIGABIT ETHERNET DISTANCE (METERS)	
		1310nm	1383nm	1550nm	1625nm		1310nm	1550nm
Singlemode - Loose Tube								
Premium	AQ	0.40	0.40	0.30	0.35	10,000	5,000	30,000
High Performance	AT	0.35	0.35	0.25	0.30	10,000	5,000	30,000
Singlemode - Tight Buffer								
Super	AP	0.65	-	0.65	-	10,000	5,000	30,000
Breakout	AP	1.00	-	1.00	-	10,000	5,000	30,000

SPECIALTY FIBERS – SINGLEMODE

FIBER DESCRIPTION	FIBER TYPE	TYPICAL ATTENUATION (dB/km)					TYPICAL APPLICATION
		1310nm	1383nm	1550nm	1605nm	1625nm	
Singlemode (NZDS)							
Large Effective Area	AL	-	-	0.30	-	0.30	DWDM
Singlemode							
Bend-Insensitive	AB	0.40	0.40	0.30	-	0.30	CWDM

Use the code in the “Fiber Type” column to replace the XX notation in the catalog number shown on the catalog page. This identifies the fiber that will be provided with the cable choice.

The fibers in all completed cables are tested 100% at the factory for attenuation, and each fiber must meet the minimum requirements specified by the customer.