

Optical Applications - Supported Distances and Loss Budgets

	Wave Length(nm)	Maximum Supportable Distance (m)					Maximum Channel Attenuation (dB)			
		OM1	OM2	OM3	OM4	OS1	OM1	OM2 OM3 / OM4	OS1	
10BASE-FL(Ethernet)	850	2000	2000			NST	12.5	7.8	NST	
Token Ring 4/16	850	2000	2000			NST	13.0	8.3	NST	
Demand Priority (100VG - Any LAN)	1300 - 850	2000 - 500	2000 500			NST	7.0 7.5	2.3 2.8	NST	
10/100BASE-FX	850	300	300			NST	4.0	4.0	NST	
100BASE-FX (Fast Ethernet)	1300	2000	2000			NST	11.0	6.3	NST	
FDDI(Low Cost)	1300	500	500			-	7.0	2.3	-	
FDDI(Original)	1300	2000	2000			40000	11.0	6.3	10.0 - 32.0	
ATM	52	14300	3000	3000		15000	10.0	5.3	7.0 - 12.0	
	155(LED)	1300	2000	2000		15000	10.0	5.3	7.0 - 12.0	
	155(laser)	850	1000	1000		-	7.2	7.2	-	
	622(LED)	1300	500	500		15000	6.0	1.3	7.0 - 12.0	
	622(laser)	850	300	300		-	4.0	4.0	-	
Fibre Channel	266 (LED)	1300	1500	1500		10000	6.0	5.5	6.0 - 14.0	
	266(laser)	850	700	2000		-	12.0	12.0	-	
	1062 (LED)	850	300	500		-	4.0	4.0	-	
	1062(laser)	1300	-	-		1000	-	-	6.0 14.0	
1000BASE-SX (Gigabit Ethernet)	850	220	550			-	3.2	3.9	-	
1000BASE-LX (Gigabit Ethernet)	1300	550	550			5000	4.0	3.5	4.7	
10GBASE-S (10g Ethernet)	850	26	82	300	550	NST	2.5	2.3	NST	
10GBASE-L (10G Ethernet)	1310	NST	NST			8000	NST	nst	6.2	
10GBASE-E(10G Ethernet)	1550	NST	NST			30000	NST	nst	11.4	
10GBASE-LX4 (10K Ethernet)	1300	300	300			10000	2.1	2.1	NST	