Note: If you have the DTX-GFM (DTX Gigabit Multimode Fiber Module), you are now permitted to select a TIA, ISO or EN Generic Cabling Standard. These standards specify the use of a category 1 light source. The DTX-GFM contains a VCSEL, which is typically a category 3 or 4 light source. However, the standards permit the use of a category 3 or 4 light source - if the customer agrees to it. Therefore, the entry **Backbone Laser MM** has been removed.

TIA568B Fiber Horiz

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	2.0	2.0					90		1.4910
Multimode 50 µm	2.0	2.0					90		1.4785

TIA568B Backbone MM

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm			3.5	1.5	0.75	0.3	2000		1.4910
Multimode 50 µm			3.5	1.5	0.75	0.3	2000		1.4785

TIA568B Backbone SM ISP

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode			1.0	1.0	0.75	0.3	5000		1.4660

TIA568B Backbone SM OSP

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode			0.5	0.5	0.75	0.3	5000		1.4660

ISO11801 Fiber Optic Link

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm			3.5	1.0	0.75	0.3	2000		1.4910
Multimode 50 µm			3.5	1.0	0.75	0.3	2000		1.4785

ISO 11801 Fiber Optic Link

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode			1.0	1.0	0.75	0.3	2000		1.4660

ISO11801 Fiber Optic Channel

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
OF-300 Multimode 62.5	2.55	1.95					300		1.4910
OF-500 Multimode 62.5	3.25	2.25					500		1.4910
OF-2000 Multimode 62.5	8.50	4.50					2000		1.4910
OF-300 Multimode 50	2.55	1.95					300		1.4785
OF-500 Multimode 50	3.25	2.25					500		1.4785
OF-2000 Multimode 50	8.50	4.50					2000		1.4785

ISO11801 Fiber Optic Channel

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
OF-300 Singlemode	1.80	1.80					300		1.4660
OF-500 Singlemode	2.00	2.00					500		1.4660
OF-2000 Singlemode	3.50	3.50					2000		1.4660

EN50173 Fiber Optic Link

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm			3.5	1.0	0.75	0.3	2000		1.4910
Multimode 50 µm			3.5	1.0	0.75	0.3	2000		1.4785

EN50173 Fiber Optic Link

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode			1.0	1.0	0.75	0.3	2000		1.4660

EN50173 Fiber Optic Channel

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
OF-300 Multimode 62.5	2.55	1.95					300		1.4910
OF-500 Multimode 62.5	3.25	2.25					500		1.4910
OF-2000 Multimode 62.5	8.50	4.50					2000		1.4910
OF-300 Multimode 50	2.55	1.95					300		1.4785
OF-500 Multimode 50	3.25	2.25					500		1.4785
OF-2000 Multimode 50	8.50	4.50					2000		1.4785

EN50173 Fiber Optic Channel

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
OF-300 Singlemode	1.80	1.80					300		1.4660
OF-500 Singlemode	2.00	2.00					500		1.4660
OF-2000 Singlemode	3.50	3.50					2000		1.4660

General Fiber Optic

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm	4.5	2.2						1000		1.4910
Multimode 50 µm	4.5	2.2						1000		1.4785
Singlemode FES		3.0	3.0							

General Fiber Optic

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode	5.0	5.0					5000		1.4660

1000BASE-LX

	1310 nm Fixed Loss	1550 nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode	4.7						5000		1.4660

1000BASE-SX

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	2.38						220		1.4910
Multimode 50 µm	3.56						550		1.4785

1000BASE-LX

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm		2.35					550		1.4910
Multimode 50 µm		2.35					550		1.4785
Singlemode FES		4.57							1.4660

100BASE-FX

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm		11.0					2000		1.4910
Multimode 50 µm		11.0					2000		1.4785

10BASE-FL

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	12.5						2000		1.4910
Multimode 50 µm	12.5						2000		1.4785

10/100BASE-SX

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	4.0						300		1.4910
Multimode 50 µm	4.0						300		1.4785

FDDI Fiber Optic

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm		11.0						2000		1.4910
Multimode 50 µm		11.0						2000		1.4785
Singlemode FES		10.0	10.0							1.4660

ATM52

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm		10.0						3000		1.4910
Multimode 50 µm		10.0						3000		1.4785
Singlemode FES		7.0	7.0							1.4660

ATM155

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm		10.0						2000		1.4910
Multimode 50 µm		10.0						2000		1.4785
Singlemode FES		7.0	7.0							1.4660

ATM155SWL

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	7.2						1000		1.4910
Multimode 50 µm	7.2						1000		1.4785

ATM622 Fiber Optic

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm		6.0						500		1.4910
Multimode 50 µm		6.0						500		1.4785
Singlemode FES		7.0	7.0							1.4660

ATM622SWL Fiber Optic

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	4.0						300		1.4910
Multimode 50 µm	4.0						300		1.4785

Fiber Channel 133

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm		6.0					1500		1.4910
Multimode 50 µm		6.0					1500		1.4785

Fiber Channel 266

	850 nm Fixed Loss	1300 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type										
Multimode 62.5 µm		6.0						1500		1.4910
Multimode 50 µm		5.5						1500		1.4785
Singlemode FES		6.0	6.0							1.4660

Fiber Channel 266SWL

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm	12.0						700		1.4910
Multimode 50 µm	12.0						2000		1.4785

10GBASE-S

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm MBW = 160	2.6						26		1.4910
Multimode 62.5 µm MBW = 200	2.5						33		1.4910
Multimode 50 µm MBW = 400	2.2						66		1.4785
Multimode 50 µm MBW = 500	2.3						82		1.4785
Multimode 50 µm MBW =2000	2.6						300		1.4785

10GBASE-LX4

	850 nm Fixed Loss	1300 nm Fixed Loss	850 nm Loss/km (in dB)	1300 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Multimode 62.5 µm MBW = 500		2.5					300		1.4910
Multimode 50 µm MBW = 400		2.0					240		1.4785
Multimode 50 µm MBW = 500		2.0					300		1.4785
Multimode 50 µm MBW =2000		2.0					300		1.4785

10GBASE-LX4

	1310nm Fixed Loss	1550nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode 9 µm	6.3						5000*		1.4660

10GBASE-L

	1310nm Fixed Loss	1550nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode 9 µm	6.2						5000*		1.4660

10GBASE-E

	1310nm Fixed Loss	1550nm Fixed Loss	1310 nm Loss/km (in dB)	1550 nm Loss/km (in dB)	Adapter Loss (in dB)	Splice Loss (in dB)	Length	Propagation Delay	Index of Refraction @1300 nm
	dB	dB	dB	dB	dB	dB	meters	ns	
Cable Type									
Singlemode 9 µm		11.4					5000*		1.4660

*Standard permits 10,000 meters.