

AC Paroli Link Distances based on T11 document 00-199v0, as modified to use Optical Modulation Amplitude.

62.5/125 micron Multi Mode Fiber

Parameter	Units									Notes
Fiber Bandwidth	MHz*Km	160		200		400		1000		1,2
Data Rate	Mbaud	500	1000	500	1000	500	1000	500	1000	
Operating Distance	meters	2-500	2-220	2-580	2-260	2-760	2-400	2-780	2-540	
Link Power Budget	dB	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	3
Instersymbol Interference	dB	1.13	1.86	0.86	1.67	0.13	1.06	0	0.51	
Additional link penalties	dB	0.32	0.76	0.32	0.77	0.34	0.8	0.38	0.84	
Channel Insertion Loss	dB	4.51	3.38	4.83	3.54	5.51	4.11	5.63	4.67	4
Unallocated link budget	dB	0.06	0.02	0.01	0.04	0.04	0.05	0.01	0	

- 1) Fiber bandwidth is overfilled modal bandwidth when measured at 850nm.
- 2) Some fiber bandwidths may not be commercially available.
- 3) Link power budget is defined at $10 \cdot \log(\text{Min Tx Pwr(OMA,mW)}/\text{Min Rx Pwr(OMA,mW)})$
- 4) Channel insertion loss includes connectors, splices and passive attenuation of the media.