

PMD	Fiber type	Number of fibers	Nominal transmit wavelength (nm)	Transmit direction	Minimum range ^a	Maximum channel insertion loss ^b (dB)	Minimum channel insertion loss ^c (dB)
1000BASE-PX10-U	B1.1, B1.3 SMF	1	1310	Upstream	0.5 m to 10 km	20	5
1000BASE-PX10-D			1490	Downstream		19.5	
1000BASE-PX20-U			1310	Upstream	0.5 m to 20 km	24	10
1000BASE-PX20-D			1490	Downstream		23.5	
1000BASE-PX30-U			1310	Upstream		29	15
1000BASE-PX30-D			1490	Downstream			
1000BASE-PX40-U			1310	Upstream		33	18
1000BASE-PX40-D			1490	Downstream			

^aIn an FEC enabled link, the minimum range may be increased, or, links with a higher channel insertion loss may be used.

^bAt nominal transmit wavelength.

^cThe differential insertion loss for a link is the difference between the maximum and minimum channel insertion loss.