

# 40G/100G Applications and Multimode Fiber

Maximum reach based on Standards, MSAs and/or vendor specifications

	Standard	# fibers	maximum distance
40G	<b>40GBASE-SR4</b>	<b>(8)</b>	OM3 100 m
			OM4/OM5 150 m
	40G-BiDi	(2)	OM3 100 m
			OM4 150 m
OM5 200m			
40GBASE-eSR4	(8)	OM3 300 m	
		OM4/OM5 400m	
40G-SWDM4	(2)	OM3 240m	
		OM4 350m	
		OM5 440 m	
100G	<b>100GBASE-SR4</b>	<b>(8)</b>	OM3 70 m
			OM4/OM5 100 m
	<b>100GBASE-SR10</b>	<b>(20)</b>	OM3 100 m
			OM4/OM5 150 m
100GBASE-eSR4	(8)	OM3 200m	
		OM4/OM5 300 m	
100G-SWDM4	(2)	OM3 75 m*	
		OM4 100 m*	
		OM5 150 m	

\*OM3/OM4 effective modal bandwidth only specified at 850 nm

“In addition to supporting the same 850nm and 1300nm applications as OM4, OM5 provides advantage in the support of future applications using WDM in the wavelength range 850nm to 953nm” (FDIS ISO/IEC 11801-1)

# SYSTIMAX Applications Assurance for 40G/100G

Guaranteed channel distances for SYSTIMAX Ultra Low Loss Solutions

	Standard	# fibers	maximum distance
40G	<b>40GBASE-SR4</b>	<b>(8)</b>	OM3 100 m
			OM4/OM5 215 m
	40G-BiDi	(2)	OM3 100 m
			OM4 150 m
OM5 210m			
40GBASE-eSR4	(8)	OM3 300 m	
		OM4/OM5 500 m	
40G-SWDM4	(2)	OM3 240m	
		OM4 350m	
		OM5 460 m	
100G	<b>100GBASE-SR4</b>	<b>(8)</b>	OM3 70 m
			OM4/OM5 130 m
	<b>100GBASE-SR10</b>	<b>(20)</b>	OM3 100 m
			OM4/OM5 150 m
100GBASE-eSR4	(8)	OM3 200m	
		OM4/OM5 300 m	
100G-SWDM4	(2)	OM3 75 m	
		OM4 140 m	
		OM5 180 m	

Refer to the SYSTIMAX Performance Specifications Volume 6 for a detailed list channel specifications **including guaranteed supportable distances as a function of number of connections in the channel**