



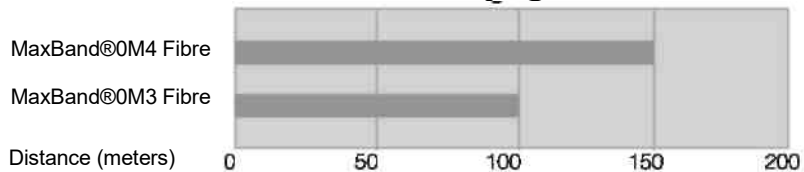
NEXTRA MaxBand® OM2+ Multimode Fibre complies with or exceeds ISO/IEC 11801 OM2 specification, EC 60793-2-10 type A1a.1 Optical Fibre Specification, and TIA/EIA-492AAAB-A detail specification.

NEXTRA MaxBand® OM3/OM4 Multimode Fibres comply with or exceed ISO/IEC 11801 OM3/OM4 specification, IEC 60793-2-10 type A1a.2 and A1a.3 Optical Fibre Specification, and TIA/EIA-492AAAC/492AAAD detail specification.

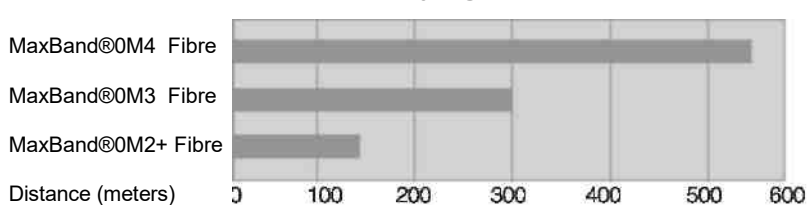
Features	Benefits and Applications
<ul style="list-style-type: none"> 850nm laser optimized Extremely refined refractive index profile Low differential mode delay (DMD) Low attenuation Superior geometry, uniformity 	<ul style="list-style-type: none"> Data centers Storage Area Networks High performance computing centers Central offices Local Area Networks 1 & 10 & 40 & 100 Gb/s Ethernet Optimized performance in tight-buffer cable applications High resistance to micro-bending Stable performance over a wide range of environmental conditions

System Link Length

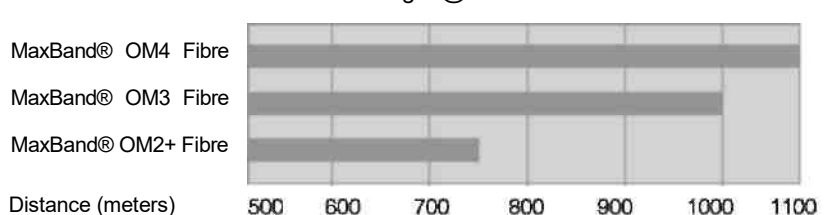
40 & 100 Gb/s Link Length @850nm Based on IEEE802.3ba



10 Gb/s Link Length @850nm Based on IEEE802.3ae



1 Gb/s Link Length @850nm Based on IEEE802.3z



Characteristics	Conditions	Specified Values	Units
Geometry Characteristics			
Core Diameter		50 ±2.5	[µm]
Core Non-Circularity		≤5.0	[%]
Cladding Diameter		125.0 ±1.0	[µm]
Cladding Non-Circularity		≤1.0	[%]
Coating Diameter		245 ±7	[µm]
Coating/Cladding Concentricity Error		≤10.0	[urn]
Coating Non-Circularity		≤6.0	[%]
Core/Cladding Concentricity Error		≤1.0	[µm]
Delivery Length		Up to 8.8	[km/reel]
Optical Characteristics			
Attenuation	850nm	≤2.4	[dB/km]
	1300nm	≤0.6	[dB/km]
		MaxBand® OM2+/OM3/OM4	
Overfilled Modal Bandwidth	850nm	≥700/≥1500/≥3500	[MHz • km]
	1300nm	≥500/≥500/≥500	[MHz • km]
Effective Modal Bandwidth	850nm	≥950/≥2000/≥4700	[MHz • km]
Application support distance on			
40 & 100 Gigabit Ethernet	850nm	-/100/150	[m]
10GBASE-SR	850nm	150/300/550	[m]
1000BASE-SX	850nm	750/1000/1100	[m]
DMD Specification	Compliant with and more stringent than the requirements of IEC 60793-2-10		
Numerical Aperture		0.200 ±0.015	
Group Refractive Index	850nm	1.482	
	1300nm	1.477	
Zero Dispersion Wavelength, λ _o		1295-1340	[nm]
Zero Dispersion Slope, S _o	1295nm ≤ λ _o ≤ 1310nm	≤0.105	[ps/(nm ² • km)]
	1310nm ≤ λ _o ≤ 1340nm	≤0.000375(1590- λ _o)	[ps/(nm ² • km)]
Macrobending Loss			
100 Turns @ 37.5mm Radius	850nm	≤0.50	[dB]
	1300nm	≤0.50	[dB]
2 Turns @15 mm Radius	850nm	≤1.0	[dB]
	1300nm	≤1.0	[dB]
Backscatter Characteristics			
Step (Mean of Bidirectional Measurement)		≤0.10	[dB]
Irregularities Over Fibre Length and Point Discontinuity		≤0.10	[dB]
Attenuation Uniformity		≤0.08	[dB/km]
Environmental Characteristics			
Temperature Cycling	-60°C to +85°C	≤0.10	[dB/km]
Temperature-Humidity Cycling	-10°C to +85°C, 4% to 98%RH	≤0.10	[dB/km]
Water Immersion	23°C, 30 days	≤0.10	[dB/km]
Dry Heat	85°C, 30 days	≤0.10	[dB/km]
Damp Heat	85°C, 85% RH, 30 days	≤0.10	[dB/km]
Mechanical Specification			
Proof Test		≥9.0	[N] [%]
		≥1.0	[kpsi]
		≥100	
Coating Strip Force	typical average force	1.5	[N]
	peak force	≥1.3 ≤8.9	[N]
Dynamic Stress Corrosion Susceptibility Parameter (nd, typical)		27	