MULTIMODE FIBER OM1

Core Diameter	62,5 ± 2,5 µm
Core Non-Circularity	≤ 5%
Cladding Diameter	125,0 ± 1,0 µm
Cladding Non-Circularity	≤ 0,7 %
Core/Cladding Concentricity Error (Offset)	≤ 1,0 µm
Coating Diameter (Coloured)	242 ± 5,0 µm
Coating –Cladding Concentricity Error (Offset)	≤ 10 µm
Attenuation – Loose Tube Cables	
@ 850 nm (typical / maximum)	2,6 / 3,5 dB/km
@ 1300 nm (typical / maximum)	0,5 / 1,5 dB/km
Attenuation – Tight Buffer Cables	
@ 850 nm (typical / maximum)	2,6 / 3,5 dB/km
@ 1300 nm (typical / maximum)	0,5 / 1,5 dB/km
Group Refractive Index	
@ 850 nm	1,496
@ 1300 nm	1,491
Bandwidth (overfilled launch)	
@ 850 nm	≥ 220 MHz-km
@ 1300 nm	≥ 500 MHz-km
Numerical Aperture	0,275 ± 0,015
Transmission Distance (Link Length)	
Gigabit Ethernet 850 nm	300 meters
Gigabit Ethernet 1300 nm	550 meters
Chromatic Dispersion	
Zero Dispersion Wavelength (λ0)	1320 – 1365 nm
Zero Dispersion Slope (S0)	≤ 0.11 ps/nm2-km (1320 ≤ λ0 ≤ 1348 nm) ≤ 0.001 x (1458 – ë0) (1348 ≤ λ0 ≤ 1365 nm)
Tensile Proof Test	100 kpsi (0,7 GPa)
Coating Strip Force	1,3 – 8,9 N (3,8 N typical)
Macrobending 100 turns, 75 mm, @ 850 nm	≤ 0,5 dB
Macrobending 100 turns, 75 mm, @ 1300 nm	≤ 0,5 dB

Values are valid for cabled fiber, local attenuation discontinuity ≤0,2 dB
Note: due to OTDR measurement uncertainty KDP cannot guarantee attenuation values at fibers shorter than 1000m.