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Type 6F Optical Fiber: 62.5 Micron, FDDI Grade Multi Mode Fiber

Physical Characteristics	
Core Diameter	62.5 ± 2.5 µm
Cladding Diameter	125.0 ± 1.0 µm
Core/Clad Offset	≤ 1.5 µm
Coating Diameter (Uncolored)	245 ± 10 µm
Coating Diameter (Colored)	254 ± 7 µm
Coating/Cladding Concentricity Error, max	6 µm
Clad Non-Circularity	≤ 1%

Mechanical Characteristics	
Proof Test	100 kpsi (.69 Gpa)
Coating Strip Force	0.3 - 2.0 lbf (1.3 - 8.9 N)
Dynamic Fatigue Parameter (nd)	≥ 18
Macrobending (100 turns @ 75mm mandrel)	0.50 dB max. @ 850 nm and 1300 nm

Optical Characteristics, Wavelength Specific		
	850-nm	1300-nm
Max. Attenuation, Loose Tube Cable	3.0 dB/km	1.0 dB/km
Max Attenuation, Tight Buffer Cable	3.5 dB/km	1.5 dB/km
Bandwidth, OFL	200 MHz-km	500 MHz-km
Group Refractive Index	1.496	1.491
1 Gb Ethernet Distance	300 m	550 m

Optical Characteristics, General	
Numerical Aperature	0.275 ± 0.015
Point Defects,max	0.15 dB
Zero Dispersion Wavelength	1320 - 1365 nm
Zero Dispersion Slope	0.097 ps/[km-nm-nm]

Environmental Characteristics	
Temperature Dependence -60 C to +85 C	≤ 0.20 dB
Temperature Humidity Cycling -10 C to +85 C up to 95% RH	≤ 0.20 dB
Water Immersion, 23+2 C	≤ 0.20 dB
Heat Aging, 85 + 2 C	≤ 0.20 dB

Revision: 6/7/2005

Specifications subject to change