



## Multi Mode Fiber

### Features & Benefits

- Complies with ITU-T G651
- Designed for use at 850nm and 1300nm
- Low attenuation and high bandwidth, which overfills the transmission demand of IEEE 802.3z Gigabit Ethernet
- Excellent dimension controls for low splice loss
- Environmentally compatible
- Meets all industry standards

### Specification

Characteristics	Unit	50/125 $\mu$ m MMF	6.25/125 $\mu$ m MMF
Attenuation coefficient 850nm 1300nm	dB/km MHz.km	$\leq 2.4$	$\leq 2.8$
Bandwidth Premium 850nm / 1300nm Standard 850nm / 1300nm		500/1000 400/800	200/600 140/400
Attenuation uniformity at 850nm & 1300nm	dB	0.1	0.1
Macrobend loss (850 & 1300nm) $\phi$ 75mm, 100 turns	dB	0.5	0.5
Numerical Aperture	-	$0.200 \pm 0.015$	$0.275 \pm 0.15$
Core Diameter	$\mu$ m	$50 \pm 2.5$	$62.5 \pm 2.5$
Core concentricity error	$\mu$ m	$\leq 1.5$	$\leq 1.5$
Core Non-Circularity	%	$\leq 5$	$\leq 5$
Clad diameter	$\mu$ m	$125 \pm 1.0$	$125 \pm 1.0$
Clad non-circularity	%	$\leq 1.5$	$\leq 1.5$
Coating diameter	$\mu$ m	$245 \pm 5$	$245 \pm 5$
Temperature Dependence(-60~85 $^{\circ}$ C) 850nm&1300nm	dB/km	$\leq 0.2$	$\leq 0.2$
Temp-Humid -10~85 $^{\circ}$ C(4~98%RH) 850nm&1300nm	dB/km	$\leq 0.2$	$\leq 0.2$
Coating StripForce	N	1.3~8.9	1.3~8.9
Effective Group Index(Neff) 850nm 1300nm	-	1.483 1.479	1.496 1.487
Proof Test	kpsi	100	100