

# Maximum Attenuation for Multimode Premises Cables

## Application Note AN-962

The absolute loss shall not exceed the requirement in Table 1 below for any cabled fiber.

**Table 1.** Attenuation Requirements for Multimode Premises Optical Cable and Cordage

62.5/125 Multimode		50/125 Multimode		LaserWave® G+		LaserWave® 300		LaserWave® 550	
Wavelength		Wavelength		Wavelength		Wavelength		Wavelength	
850 nm	1300nm	850 nm	1300nm	850 nm	1300 nm	1300nm	850 nm	850 nm	1300nm
dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km
3.4	1.0	3.5	1.5	3.5	1.5	3.0	1.0	3.0	1.0

Packaging effects may cause added transient attenuation in tight buffered fiber. The absolute loss shall not exceed the requirement in Table 2 below for any tight buffered fiber.

**Table 2.** Attenuation Requirements for Multimode Premises Tight Buffered

62.5/125 Multimode		50/125 Multimode		LaserWave® G+		LaserWave® 300		LaserWave® 550	
Wavelength		Wavelength		Wavelength		Wavelength		Wavelength	
850 nm	1300nm	850 nm	1300nm	850 nm	1300 nm	1300nm	850 nm	850 nm	1300nm
dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km
4.1	1.2	4.2	1.8	4.2	1.8	3.6	1.2	3.6	1.2

The presence of aramid yarn in the core may create added attenuation in SBJ products the absolute loss shall not exceed the requirement in Table 3 below for any SBJ tight buffered fiber.

**Table 3.** Attenuation Requirements for Multimode Premises SBJ Fiber

62.5/125 Multimode		50/125 Multimode		LaserWave® G+		LaserWave® 300		LaserWave® 550	
Wavelength		Wavelength		Wavelength		Wavelength		Wavelength	
850 nm	1300nm	850 nm	1300nm	850 nm	1300 nm	1300nm	850 nm	850 nm	1300nm
dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km	dB/km
6.0	4.0	6.0	4.0	6.0	4.0	6.0	4.0	6.0	4.0

**\*Note:** Contact OFS Order Management for information on lower attenuation.