

## FIBER SELECTION GUIDE



### ULTRA-FOX™ PLUS FIBER PERFORMANCE CHART

#### Ultra-Fox™ Plus Fiber Performance\*

Fiber Code	Core/Cladding/Coating Diameter (µm)	Wavelength (nm)	Industry Standard Designation	Gigabit Ethernet Distance (m)	10-Gigabit Ethernet Distance (m)	Maximum Cabled Attenuation (dB/km)	Minimum Laser Bandwidth (MHz-km)	Minimum LED Bandwidth (MHz-km)
WST	62.5/125/500	(850/1310)	OM1 ISO/IEC 11801	275/550	33/300	3.5/1.5	—	200/500
AST	50/125/500	(850/1310)	OM2 ISO/IEC 11801	550/550	82/300	3.5/1.5	—	500/500
SLS	9/125/500 <sup>1</sup>	(1310/1550)	ITU-T G.652.A	5 km <sup>2</sup>	10 km <sup>3</sup>	0.5/0.5	—	—

### Custom Cables

Optical Cable Corporation offers extreme flexibility in providing customers with customized tight-buffered fiber optic cables for their special requirements— not just standard off-the-shelf items. If you need a custom cable, please call Optical Cable Corporation at 1-800-622-7711 or (540) 265-0690.

<sup>1</sup> Typical Mode Field Diameter at 1310 nm = 9 microns

<sup>2</sup> 10 km for 1310 nm 1000BASE-LH, and 5 km for 1310 nm 1000BASE-LR

<sup>3</sup> 10 km for 1310 nm 10GBASE-LR, and 40 km for 1550 nm 10GBASE-ER

**Note:** Other fiber bandwidth, and attenuation performances are available. Laser optimized fiber types available as special order. Contact Optical Cable Corporation for details.