



ULTRA-FOX™ PLUS FIBER PERFORMANCE

FIBER CODE	INDUSTRY STANDARD DESIGNATION	CORE/CLADDING DIAMETER (µm)	NUMERIC APERTURE	WAVELENGTH (nm)	GIGABIT ETHERNET DISTANCE (m)	10-GIGABIT ETHERNET DISTANCE (m)	MAXIMUM CABLED ATTENUATION (dB/km)	MINIMUM LASER EMB BANDWIDTH* (MHz-km)	MINIMUM OFL LED BANDWIDTH**
WST	OM1 ISO/IEC 11801	62.5/125	0.275	850/1310	275/550	33/300 [^]	3.5/1.5	200/500	200/500
WLS	LASER GRADE OM1 ISO/IEC 11801	62.5/125	0.275	850/1310	300/600	33/300 [^]	3.5/1.5	220/500	200/500
ALS	Laser Grade OM2 ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550/300 [^]	3.5/1.5	4700/500	3500/500
ALT	Laser Optimized OM3 ISO/IEC 11801	50/125	0.20	850/1310	1000/600	300/300 ^{^1}	3.5/1.5	2000/500	1500/500
ALE	Laser Optimized OM4 ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550/300 [^]	3.5/1.5	4700/500	3500/500
SLE	Bend Insensitive Low Water Peak Single-Mode Enhanced ITU-T G.657.A1 and ITU-T G.652.D	9 ² /125	—	1310/1550	5 km ³	10km ⁴	0.5/0.5	—	—
SLB	Bend Insensitive Low Water Peak Single Mode ITU-T G.657.A2 and ITU-T G.652.D	9 ⁵ /125	—	1310/1550	5 km ³	10km ⁴	0.5/0.5	—	—
SLC	Bend Insensitive Low Water Peak Single Mode Enhanced ITU-T G.657.B3 and ITU-T G.652.D	9 ⁵ /125	—	1310/1550	5 km ³	10km ⁴	0.5/0.5	—	—

* Minimum Laser Effective Modal Bandwidth (EMB)

** For backward compatibility to LED-based systems, overfilled launch (OFL)

[^] 1310 CWDM lasers (10GBASE-LX4)

¹ Supports 220-meter 10GBASE-LRM distance or 300-meter 10 GBASE-LRM distance with 300-meter-capable equipment

² Typical Mode Field Diameter at 1310 nm = 9 microns

³ 10 km for 1310 nm 1000BASE-LH, and 5 km for 1310 nm 1000BASE-LR

⁴ 10 km for 1310 nm 10GBASE-LR, and 40 km for 1550 nm 10GBASE-ER

5 Fiber Codes are available for composite cables containing a wide variety of mixed fiber types within the same cable. Call OCC Customer Service for the Fiber Code for your composite cable configuration.

⁶ For certain specialty applications SLS fiber may be ITU-T G.652.A

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