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)	MAXIMU 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	33/300ˆ	3.5/1.5	200/500	200/500
WLS	LASER GRADE OM1 ISO/IEC 11801	62.5/125	0.275	850/1310	300/600	33/300ˆ	3.5/1.5	220/500	200/500
ALS	Laser Grade OM2 ISO/IEC 11801	50/125	0.20	850/1310	600/600	82/300ˆ	3.5/1.5	510/500	500/500
ALT	Laser Optimized OM3 ISO/IEC 11801	50/125	0.20	850/1310	1000/600	300/300ˆ[1]	3.5/1.5	2000/500	1500/500
ALE	Laser Optimized OM4 ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550/300ˆ	3.5/1.5	4700/500	3500/500
SLE	Bend Insensitive Low Water Peak Single-Mode ITU-T G.657.A1 Enhanced 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 ITU-T G.657.B3 Enhanced 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)
ˆ 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.