

YTTERBIUM DOUBLE CLAD FIBER

Fiber Data			
Parameter	Specification	EOP Data	BOP data
Attenuation at 1310 nm	To Be Determined, dB/km	0.43	
Attenuation at 1550 nm	To Be Determined, dB/km	0.24	
Second Mode Cut-off	1210 ± 50 nm	1235	1250
MFD @ 1310 nm	9.2 ± 0.5 μm	9.1	9.1
MFD @1550 nm	10.4 ± 0.8 μm	10.4	10.4
Inner Cladding NA	0.20 ± 0.02	0.21	
Inner Clad Diameter	105 μm, nominal	103.5	104.4
Clad Diameter	125 ± 1.5 μm	124.3	124.5
Coating Diameter	245 ± 15 μm	245.2	245.4
Proof test Level	≥ 100 kpsi	100	

Design Information	
Parameter	Nominal Value
Operating Wavelegth	1300 - 1600 nm
Core Numerical Aperture	0.12
Coating Material	High Temperature UV-Cured Dual Acrylate
Buffer Material	ETFE 900 micron, nominal
Jacket Material	ETFE with Aramid yarn strength members, 3.0 mm nominal