

## Step Index Dual Clad Multimode Fiber

### Applications

- High energy laser transmission
- Nuclear radiation monitoring
- Factory automation control
- Medical sensors
- Near-IR spectroscopy applications

### Characteristics

- Tolerant of wide fluctuations in temperature and humidity
- Excellent fatigue resistance
- High radiation resistance
- Compatibility with a variety of light sources



### Specifications

Part Number	2160-200	2160-365	2160-550
<b>Geometric Properties</b>			
Core Diameter (µm)	200±5	365±8	550±10
Cladding Diameter (µm)	240±8	400±8	600±10
Hard Polymer Cladding Diameter (µm)	260+0/-8	430+0/-8	630+5/-10
ETFE Buffer Diameter	440±25	550±25	750±30
Core Concentricity Error (µm)	≤5.0	≤7.0	≤9.0
<b>Optical Properties</b>			
Numerical Aperture	0.22±0.02		
Attenuation @ 2.14µm (dB/km)	≤100		
OH Content	Low OH		
Refractive Index Profile	Step Index		
<b>Material Composition</b>			
Core	Pure Silica Glass		
Cladding	Doped Silica		
Hard Polymer Cladding	Fluoroacrylate		
Buffer	ETFE		
<b>Environmental and Mechanical Properties</b>			
Short Term Bend Radius (mm)	≥10	≥10	≥16
Long Term Bend Radius (mm)	≥16	≥16	≥24
Operating Temperature (°C)	-65 to +85		
Proof Test Level (kpsi)	≥75		