

## OFS G652D LWP Loose Tube Optical Fiber Cable Specifications

Parameter	Specification
<b>Cabled 1310 nm Attenuation (dB/km)</b>	<b>≤ 0.35</b>
<b>Cabled 1383 nm Attenuation (dB/km)</b>	<b>≤ 0.35</b>
<b>Cabled 1550 nm Attenuation (dB/km)</b>	<b>≤ 0.25</b>
<b>Cabled 1625 nm Attenuation (dB/km)</b>	<b>≤ 0.27</b>
<b>Cabled Point Discontinuity (dB)</b>	<b>≤ 0.10</b>
Zero Dispersion Wavelength (nm)	1302 to 1322
Slope at Zero Dispersion Wavelength	≤ 0.092
Dispersion Maximum: 1285 to 1330 nm (ps/km/nm)	≤ 3.5
Dispersion at 1550 nm	≤ 18.0
Dispersion at 1625 nm	≤ 22.0
Macrobend 32mm, 1 turn, 1550nm	≤ 0.10
Macrobend 50mm, 100 turns, 1310nm	≤ 0.05
Macrobend 50mm, 100 turns, 1550nm	≤ 0.05
Macrobend 60mm, 100 turns, 1550nm	≤ 0.05
Macrobend 60mm, 100 turns, 1625nm	≤ 0.10
Cladding diameter (μm)	125.0 ± 1.0 μm
Cladding non-circularity (%)	≤ 1.0 %
Core-clad concentricity error (μm)	≤ 0.6
Outer coating diameter (μm)	235 to 247 μm
Outer coating non-circularity (%)	≤ 5 %
Outer coating to cladding eccentricity (μm)	≤ 12 μm
Mode Field Diameter at 1310 nm (μm)	8.7 to 9.6
Mode Field Diameter at 1550 nm (μm)	9.8 to 10.9
Cabled Fiber Cutoff Wavelength	≤ 1260 nm
Polarization Mode Dispersion (individual)	≤ 0.2 ps/√km
Polarization Mode Dispersion (Link Design Value)	≤ 0.08 ps/√km
Fiber Curl (radius of curvature)	≥ 2 meters
Proof Test Level	100 kpsi
Temp Dependence on Atten (-60C to +95C)	≤ 0.05
Temp / Humid'y (-10C to +85C, 95% RH)	≤ 0.05
Water Immersion (23C)	≤ 0.05
Accelerated Heat Aging (85C)	≤ 0.05
Coating Strip Force	0.3 - 2.0 lbf (1.3 - 8.9 N)
Dynamic Fatigue Parameter	20 typical