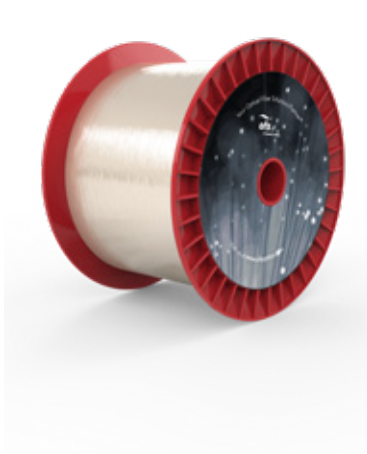




# Micro Connect Single-Mode Optical Fiber

P/N 81161



## Product Specifications

Product Description	Micro Connect 80-165 Bend Insensitive SMF		
<b>Optical Properties</b>			
Operating Wavelength	<b>1310 nm</b>	<b>1550 nm</b>	<b>1625 nm</b>
Attenuation	≤ 0.50 dB/km	≤ 0.30 dB/km	≤ 0.50 dB/km
Mode field diameter	8.6 ± 0.6 μm	9.2 ± 0.5 μm	9.6 ± 0.5 μm
Cable Cut-off Wavelength	≤ 1260 nm	≤ 1260 nm	≤ 1260 nm
Macrobend performance (1 turn @ 5 mm radius)	≤ 0.1 dB	≤ 0.1 dB	≤ 0.25 dB
<b>Physical Properties</b>			
Cladding Diameter	80 ± 1.0 μm		
Core/Clad Concentricity Error	≤ 0.5 μm		
Coating Diameter	165 ± 10 μm		
Tensile Proof Test	1.38 GPa		
<b>Environmental Characteristics</b>			
Order by Part Number	<b>81161</b>		
Product Description	Micro Connect 80-165 SMF		
Regulatory Compliance	REACH and RoHS Compliant		
Quality Certification	ISO 9001 Certified		
<b>NOTE:</b> Specifications in italics are estimations only.			

**For additional information please contact your sales representative.**

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com)  
or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



**FURUKAWA**  
SOLUTIONS

Copyright © 2024 OFS Fitel, LLC.  
All rights reserved, printed in USA.

OFS Marketing Communications  
Date: 03/24

For a full list of  
our certifications,  
visit our website.



OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.