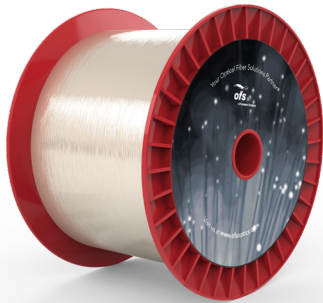




A Furukawa Company

# Micro Connect Single-Mode Optical Fiber

P/N 81161



Product Specifications	
Product Description	80 $\mu$ m Bend Insensitive SMF
Optical Properties	
Attenuation @ 1550 nm	$\leq 0.30$ dB/km
@ 1310 nm	$\leq 0.50$ dB/km
Modefield Diameter @ 1550 nm	$9.6 \pm 0.5$ $\mu$ m
@ 1310 nm	$8.6 \pm 0.6$ $\mu$ m
Cut-off Wavelength (cable cut-off - $\lambda_{CC}$ )	$\leq 1260$ nm
Macrobend Performance (1 turn @ 5 mm bend radius) @ 1550 nm	$\leq 0.1$ dB
Physical Properties	
Cladding Diameter	$80 \pm 1$ $\mu$ m
Clad Non-Circularity	$\leq 0.7\%$
Core/Clad Concentricity Error (Offset)	$\leq 0.5$ $\mu$ m
Coating Diameter	$165 \pm 10$ $\mu$ m
Tensile Proof Test	1.38 GPa
Environmental Characteristics	
Temperature Cycling (-60 to +85 °C)	$\leq 0.05$ dB/km
High Temperature Aging	$\leq 0.05$ dB/km
Order by Part Number	81161

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.



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