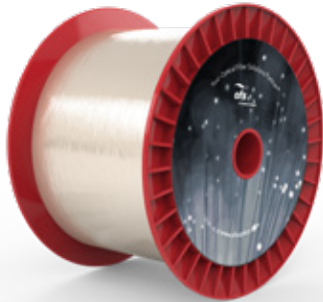




A Furukawa Company

Micro Connect PM Optical Fiber

P/N: 87804



Features

- Optimized for superior performance with respect to bend loss
- 80 μm fiber diameter with 165 μm coating diameter enable a very small form factor.
- Optimized for 1550 nm operation
- Tight geometrical tolerances
- Excellent uniformity and consistency
- Low splice loss
- Dual layer acrylate

Typical Applications

- Pigtails for small amplifiers
- Interconnects in pluggable modules

Overview

Micro Connect Polarization-Maintaining Optical Fiber has a very small 80 μm cladding diameter and a thin coating diameter of 165 μm making it well suited for use in small amplifiers.

Product Specifications	
Product Description	Micro Connect PMF
Optical Characteristics	
Operating Wavelength	1550 nm
Cutoff Wavelength	≤ 1450 nm
Mode Field Diameter @ 1550 nm	8.5 - 9.2 μm
Attenuation @ 1550 nm	≤ 2 dB/km
Beat Length @ 1550 nm	≤ 5 mm
Crosstalk @ 1550 nm/100 m	≤ -25 dB
Crosstalk Under Bend @ 1550 nm, 10 turns, 5 mm radius	≤ -25 dB
Macrobending Loss @ 1550 nm, 10 turns, 5 mm bend radius	≤ 0.5 dB
Physical Characteristics	
Cladding Diameter	80 ± 1 μm
Core/Clad Concentricity Error	≤ 1 μm
Clad Non-Circularity	$\leq 2.0\%$
Coating Diameter	165 ± 10 μm
Mechanical and Environmental	
Tensile Proof Test	1.38 GPa (200 kpsi)
Temperature Cycling (-60 to +85 $^{\circ}\text{C}$)	≤ 0.05 dB/km
High Temperature Aging	≤ 0.05 dB/km
Other Information	
Order by Part Number	87804
Product Description	Micro Connect PMF
Regulatory Compliance	REACH and RoHS Compliant
Quality Certification	ISO 9001 Certified

For additional information please contact your sales representative.

You can also visit our website at 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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