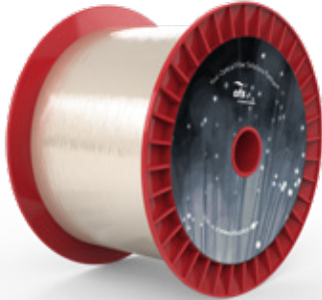


Raman Optical Fiber

P/N: 36736



Overview

OFS Raman Fiber is specifically designed for applications where a high Raman gain efficiency is required. The fiber is designed with a high index core and a small effective area which yields a high Raman gain efficiency.

With appropriate choice of pump wavelength, the Raman fiber can provide gain at any wavelength from 1100 to 1700 nm. Additionally, it offers bending performance, good splicing properties and low attenuation at the water peak.

Typical Applications

Discrete Broadband
Raman Amplifiers
Raman Lasers



A Furukawa Company

Raman Optical Fiber

P/N: 36736

Product Specifications	
Product Description	Raman Optical Fiber
Physical Characteristics	
Cladding Diameter	125 ± 1.0 µm
Coating Diameter	200 ± 15 µm
Clad Non-Circularity	≤ 0.9%
Core Eccentricity	< 0.05 µm
Optical Characteristics	
Type	Non-Standard
Cutoff Wavelength	≤ 1050 nm
Effective Area @ 1450 nm	16.1 ± 1.5 µm ²
Effective Area @ 1550 nm	18.7 ± 1.5 µm ²
Attenuation @ 1450 nm (Maximum)	0.46 dB/km
Attenuation @ 1550 nm (Maximum)	0.36 dB/km
Attenuation @ 1450 nm (Typical)	0.43 dB/km
Attenuation @ 1550 nm (Typical)	0.33 dB/km
Polarization Mode Dispersion (PMD) (Typical)	0.05 ps/km ^{0.5}
Polarization Mode Dispersion (PMD) (Maximum)	0.05 ps/km ^{0.5}
PM or non-PM	Non-PM
Peak Raman Gain Efficiency (Typical)	2.5 (W·km) ⁻¹
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	36736
OPTIONS: Standard delivery is on a 105 x 265 mm spool. The fiber can be delivered on a 29 x 175 mm spool, optionally with standard fiber pigtailed spliced to it, and with a layer of protective silicone to protect against mechanical damage.	

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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