

PFP SPECIALTY FIBERS



Part Number: SI20-XX-X-XXX

PRODUCT DESCRIPTION

Precision Fiber Products Inc. Offers PFP silica-cladding multimode fibers with a step-index profile, offering low attenuation at 850 nm and 1300 nm, with customizable options for core diameter, cladding diameter, fiber diameter, and numerical aperture (NA) to suit various applications. Manufactured using the advanced PCVD process, they ensure precise refractive index profiles and excellent optical, mechanical, and environmental properties, positioning PFP as a leader in optical fiber technology.

FEATURES

- Flexible numerical aperture (NA): 0.10~0.34
- Flexible core-cladding diameter ratio (CCDR): 1.05~1.4
- Core diameter: 40 μ m-800 μ m
- High strength fibre

APPLICATIONS

- Fibre sensor and laser transmission
- Data communications, local area networks and CATV
- Medical apparatus
- Optical devices and connectors



CUSTOMIZATION INFORMATION

- Flexible numerical aperture (NA): 0.10~0.34
- Flexible core-cladding diameter ratio (CCDR): 1.05~ 1.4
- Core diameter: 40µm-800µm
- High strength fibre

SPECIFICATIONS


Fiber Type		SI 105/125-15/250	SI 105/125-22/250	SI 200/220-22/500	SI 200/240-22/500	SI 400/440-22/730
Part No.		SI2012-J	SI2014-N	SI2024-P	SI2014-Q	SI2024-G
Optical Properties						
Numerical Aperture		0.15 ± 0.02	0.22 ± 0.02	0.22 ± 0.02	0.22 ± 0.02	0.22 ± 0.02
Attenuation	@850nm (dB/km)	≤ 8.0	≤ 4.0	-	-	-
	@1300nm (dB/km)	≤ 18.0	≤ 8.0	-	-	-
Geometrical Properties						
Core Diameter (µm)		105.0 ± 3.0	105.0 ± 3.0	200.0 ± 5.0	200.0 ± 5.0	400.0 ± 8.0
Cladding Diameter (µm)		125.0 ± 2.0	125.0 ± 2.0	220.0 ± 5.0	240.0 ± 5.0	440.0 ± 8.0
Coating Diameter (µm)		250.0 ± 10.0	250.0 ± 10.0	500.0 ± 20.0	500.0 ± 20.0	730.0 ± 30.0
Core/Cladding Concentricity (µm)		≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
Core Non-circularity(%)		≤ 3.0	≤ 3.0	-	-	-
Cladding Non-circularity(%)		≤ 2.0	≤ 2.0	-	-	-
Material Composition						
Core		Pure Silica Glass				
Cladding		F Doped Silica Glass				
Coating		Dual-layer UV-acrylate				
Mechanical Properties						
Proof Test Level (kpsi)		100	100	100	100	100



ORDERING INFORMATION

SI20-XX-X	-XXX
Fiber Type	Fiber Length
12-J= SI 105/125-15/250	100=100 Meter
14-N= SI 105/125-22/250	200=200 Meter
24-P= SI 200/220-22/500	300=300 Meter
14-Q= SI 200/240-22/500	400=400 Meter
24-G= SI 400/440-22/730	500=500 Meter

[Contact us](#) to request more lengths.



Quality Policy
Meet or exceed customer expectation in product quality and on time delivery.

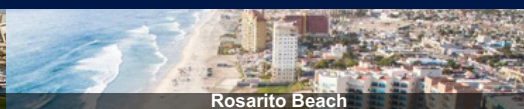
Rev. 01 Initial Release:

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OUR LOCATIONS



San Diego, CA



Rosarito Beach



Dongguan China