

# φ80 μm cladding PANDA

## Feature

- Small diameter cladding types endure smaller radius bending than standard types.

## Common specifications

Concentricity error	≤ 0.5 μm
Cladding diameter	80 ± 1 μm (Major diameter)
Minimum bending radius	1% proof : R15 mm 2% proof : R15 mm*
Coating structure	UV curable acrylate
Coating diameter	165 ± 10 μm

## Product list

Product*	Operational wavelength	Mode field diameter	Attenuation	Cutoff wavelength	Polarization crosstalk	Beat length	Specification number		
							---	ID	Rev
RCHA85-PS-U17C	850 nm band	3.5 ± 0.5 μm @ 850 nm	≤ 3.5 dB/km @ 850 nm	650 - 800 nm	≤ -30 dB/100m @ 850 nm	≤ 2.0 mm	B-13D0086-14B-	1	1
RCHA85-PS-U17C-H							B-13D0086-14B-	2	1
RCSM98-PS-U17C	980 nm band	6.0 ± 0.5 μm @ 980 nm	≤ 2.5 dB/km @ 980 nm	870 - 950 nm	≤ -25 dB/100m @ 980 nm	1.4 - 2.6 mm	B-13D0086-14B-	3	1
RCSM98-PS-U17C-H							B-13D0086-14B-	4	1
RCSM13-PS-U17C	1310 nm band	8.2 ± 0.5 μm @ 1310 nm	≤ 2.0 dB/km @ 1310 nm	1100 - 1250 nm	≤ -25 dB/100m @ 1310 nm	2.0 - 3.5 mm	B-13D0086-14B-	5	1
RCSM13-PS-U17C-H							B-13D0086-14B-	6	1
RCSM14-PS-U17C	1400 nm band	9.0 ± 0.5 μm @ 1450 nm	≤ 2.0 dB/km @ 1450 nm	1200 - 1380 nm	≤ -25 dB/100m @ 1450 nm	2.3 - 4.2 mm	B-13D0086-14B-	7	1
RCSM14-PS-U17C-H							B-13D0086-14B-	8	1
RCSM15-PS-U17C	1550 nm band	9.5 ± 0.5 μm @ 1550 nm	≤ 2.0 dB/km @ 1550 nm	1290 - 1450 nm	≤ -25 dB/100m @ 1550 nm	2.5 - 4.5 mm	B-13D0086-14B-	9	1
RCSM15-PS-U17C-H							B-13D0086-14B-	10	1
RCHA15-PS-U17C	1550 nm band	6.0 ± 1.0 μm @ 1550 nm	≤ 3.0 dB/km @ 1550 nm	1290 - 1500 nm	≤ -30 dB/100m @ 1550 nm	≤ 3.7 mm	B-13D0086-14B-	11	1
RCHA15-PS-U17C-H							B-13D0086-14B-	12	1

\*2% proof test type is available, and code '-H' is added at the end of the product name.  
(e.g. SM15-PS-U40D-H)



Optical Fiber Division  
1440, Mutsuzaki, Sakura, Chiba 285-8550, Japan

<http://www.fujikura.co.jp/>  
[optodevice@jp.fujikura.com](mailto:optodevice@jp.fujikura.com)

Specifications are subject to change without prior notice

B-13D0086-14B

## 80 μm cladding 1550 nm bend insensitive PANDA (Bending radius 5 mm)

### Feature

- 1550 nm band polarization maintaining fiber
- 80 μm cladding diameter.
- Bend insensitive (bending radius 5 mm)\*

\*Optical characteristics is assured.

### Common specifications

Mode field diameter	8.6 ± 0.4 μm @ 1550 nm
Concentricity error	≤ 0.5 μm
Cladding diameter	80 ± 1 μm (Major diameter)
Attenuation	≤ 3.0 dB/km @ 1550 nm
Bending loss *	≤ 0.1 dB @ 1550 nm, R5 mm × 10 turns
Cutoff wavelength (Fiber cutoff)	≤ 1500 nm
Bending polarization crosstalk *	≤ -30 dB @ 1550 nm region, R5 mm × 10 turns
Beat length	≤ 3.5 mm @ 1550 nm
Proof test level	≥ 2%
Minimum bending radius *	R5 mm

\*Optical characteristics is assured.

### Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
RCBI15-PX-U17D	UV curable acrylate	165 ± 15 μm	B-13D0086-23-	1	0

### Other

- Recommended storage condition  
Temperature: +10 ~ +35 °C  
Relative humidity: ≤ 85 % RH



Optical Fiber Division  
1440, Mutsuzaki, Sakura, Chiba 285-8550, Japan

<http://www.fujikura.co.jp/>  
[optodevice@jp.fujikura.com](mailto:optodevice@jp.fujikura.com)

## 80 μm cladding 1310 nm bend insensitive PANDA (Bending radius 5 mm)

### Feature

- 1310 nm band polarization maintaining fiber
- 80 μm cladding diameter.
- Bend insensitive (bending radius 5 mm)\*

\*Optical characteristics is assured.

### Common specifications

Mode field diameter	7.4 ± 0.5 μm @ 1310 nm
Concentricity error	≤ 0.5 μm
Cladding diameter	80 ± 1 μm (Major diameter)
Attenuation	≤ 3.0 dB/km @ 1310 nm
Bending loss *	≤ 0.1 dB @ 1310 nm, R5 mm × 10 turns
Cutoff wavelength (Fiber cutoff)	≤ 1250 nm
Bending polarization crosstalk *	≤ -30 dB @ 1310 nm region, R5 mm × 10 turns
Beat length	≤ 3.0 mm @ 1310 nm
Proof test level	≥ 2%
Minimum bending radius *	R5 mm

\*Optical characteristics is assured.

### Product list

Product	Coating structure	Coating diameter	Specification number		
			---	ID	Rev
RCBI13-PX-U17D	UV curable acrylate	165 ± 10 μm	B-13D0086-25-	1	0

### Other

- Recommended storage condition  
Temperature: +10 ~ +35 °C  
Relative humidity: ≤ 85 % RH



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