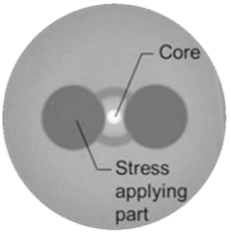
PANDA fiber with heat resistant coating

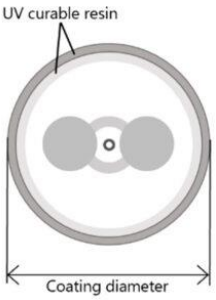
Fujikura PANDA fibers with heat resistant coating can operate in a wide range of temperature between -40 °C and +150 °C.
The fibers have a superior optical property and universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- The fiber that has acrylate coating with improved heat resistance is available to use under the wide range of temperature between -40 °C and +150 °C.
- Small bending radius(R5 mm)

Specifications

	BIR5-13-PX-U25HT	BIR5-15-PX-U25HT
Wavelength band	1310 nm	1550 nm
Mode field diameter (μm)	7.8 ± 0.5 @ 1310 nm	9.0 ± 0.4 @ 1550 nm
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	125 ± 1	
Attenuation (dB/km)	≤ 3.0 @ 1310 nm	≤ 3.0 @ 1550 nm
Cutoff wavelength (nm)	≤ 1260	≤ 1500
Bending attenuation (dB, Φ5 mm × 10 turns)	≤ 0.1 @ 1310 nm	≤ 0.1 @ 1550 nm
Bending polarization crosstalk (dB, Φ5 mm×10 turns)	≤ -30 @ 1310 nm	≤ -30 @ 1550 nm
Beat length (mm)	≤ 3.0 @ 1310 nm	≤ 3.0 @ 1550 nm
Minimum bending radius	2 % proof test level: R5 mm	
Coating material	UV curable resin	
Coating diameter (μm)	245 ± 15	
Cross-section image		

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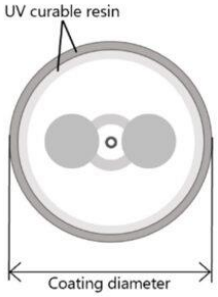
	RCBI13-PX-U17HT	RCBI15-PX-U17HT
Wavelength band	1310 nm	1550 nm
Mode field diameter (μm)	7.4 ± 0.5 @ 1310 nm	8.6 ± 0.4 @ 1550 nm
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	80 ± 1	
Attenuation (dB/km)	≤ 3.0 @ 1310 nm	≤ 3.0 @ 1550 nm
Cutoff wavelength (nm)	≤ 1250	≤ 1500
Bending attenuation (dB, Φ5 mm × 10 turns)	≤ 0.1 @ 1310 nm	≤ 0.1 @ 1550 nm
Bending polarization crosstalk (dB, Φ5 mm×10 turns)	≤ -27 @ 1310 nm	≤ -27 @ 1550 nm
Beat length (mm)	≤ 3.0 @ 1310 nm	≤ 3.5 @ 1550 nm
Minimum bending radius	2 % proof test level: R5 mm	
Coating material	UV curable resin	
Coating diameter (μm)	165 ± 10	165 ± 15
Cross-section image		

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