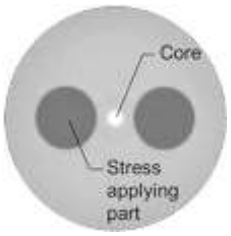
Specialty Fiber

PANDA Fiber 1550 nm band

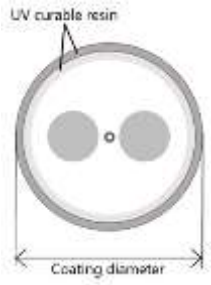
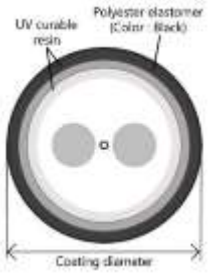
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1550 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM15-PS-U25D	SM15-PS-U40D	SM15-PS-H90D
Wavelength band	1550 nm band		
Mode field diameter (μm)	10.5 ± 0.5 @ 1550 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 0.5 @ 1550 nm		
Cutoff wavelength (nm)	1300 – 1440		
Polarization crosstalk (dB/100m)	≤ -30 @ 1550 nm		
Beat length (mm)	3.0 – 5.0 @ 1550 nm		
Minimum bending radius	1 % proof test level: R30 mm (*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/ Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM15-PS-U25D-H)

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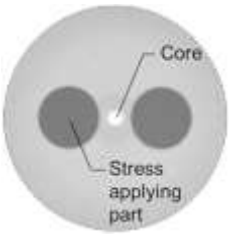
Specialty Fiber

PANDA Fiber 1550 nm band bend insensitive PANDA (Bending radius 15 mm)

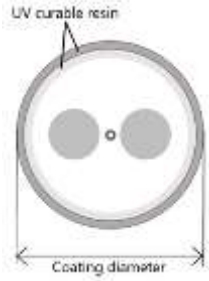
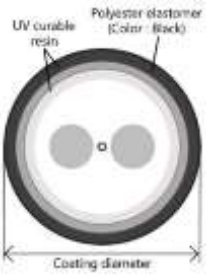
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1550 nm band
- Small bending radius (R15 mm)
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SRSM15-PX-U25D-H	SRSM15-PX-U40D-H	SRSM15-PX-H50D-H	SRSM15-PX-H90D-H
Wavelength band	1550 nm band			
Mode field diameter (μm)	9.5 ± 0.4 @ 1550 nm			
Concentricity error (μm)	≤ 0.5			
Cladding diameter(Major diameter) (μm)	125 ± 1			
Attenuation (dB/km)	≤ 0.5 @ 1550 nm			
Cutoff wavelength (nm)	≤ 1440			
Bending attenuation (dB, Φ30 mm × 10 turns)	≤ 0.5 @ 1550 nm			
Polarization crosstalk (dB/100m)	≤ -30 @ 1550 nm		≤ -25 @ 1550 nm	≤ -30 @ 1550 nm
Bending polarization crosstalk (dB, Φ30 mm×10 turns)	≤ -30 @ 1550 nm		≤ -25 @ 1550 nm	≤ -30 @ 1550 nm
Beat length (mm)	2.0 – 5.0 @ 1550 nm			
Minimum bending radius	2 % proof test level: R15 mm			
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)	
Coating diameter (μm)	245 ± 15	400 ± 15	500 ± 50	900 ± 100
Cross-section image				

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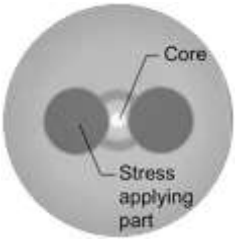
Specialty Fiber

PANDA Fiber 1550 nm band bend insensitive PANDA (Bending radius 7.5 mm)

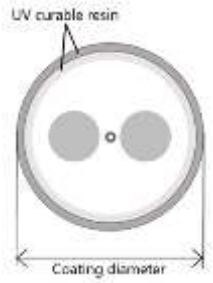
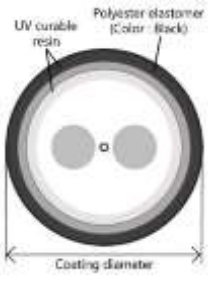
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1550 nm band
- Small bending radius (R7.5 mm)
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	BISM15-PX-U25D-H	BISM15-PX-H50D-H
Wavelength band	1550 nm band	
Mode field diameter (μm)	9.0 ± 0.4 @ 1550 nm	
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	125 ± 1	
Attenuation (dB/km)	≤ 3.0 @ 1550 nm	
Cutoff wavelength (nm)	≤ 1440	
Bending attenuation (dB, Φ15 mm × 10 turns)	≤ 0.2 @ 1550 nm	
Polarization crosstalk (dB/100m)	≤ -30 @ 1550 nm	
Bending polarization crosstalk (dB, Φ15 mm×10 turns)	≤ -30 @ 1550 nm	
Beat length (mm)	≤ 3.0 @ 1550 nm	
Minimum bending radius	2 % proof test level: R7.5 mm	
Coating material	UV curable resin	UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	500 ± 50
Cross-section image		

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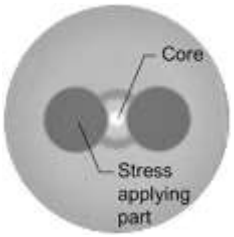
Specialty Fiber

PANDA Fiber 1550 nm band bend insensitive PANDA (Bending radius 5 mm)

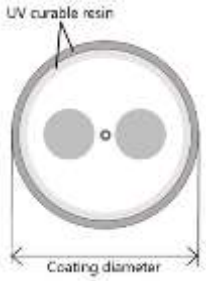
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1550 nm band
- Small bending radius (R5 mm)
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	BIR5-15-PX-U25D
Wavelength band	1550 nm band
Mode field diameter (μm)	9.0 ± 0.4 @ 1550 nm
Concentricity error (μm)	≤ 0.5
Cladding diameter(Major diameter) (μm)	125 ± 1
Attenuation (dB/km)	≤ 3.0 @ 1550 nm
Cutoff wavelength (nm)	≤ 1500
Bending attenuation (dB, Φ10 mm × 10 turns)	≤ 0.1 @ 1550 nm
Bending polarization crosstalk (dB, Φ10 mm×10 turns)	≤ -30 @ 1550 nm
Beat length (mm)	≤ 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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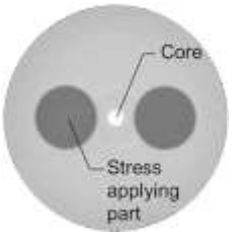
Specialty Fiber

PANDA Fiber 1400 nm band PANDA

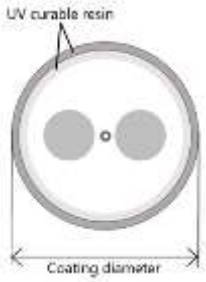
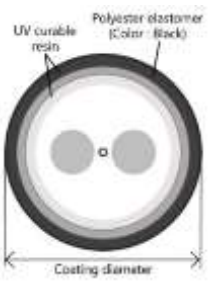
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1400 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM14-PS-U25D	SM14-PS-U40D	SM14-PS-H90D
Wavelength band	1400 nm band		
Mode field diameter (μm)	9.8 ± 0.5 @ 1450 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 1.0 @ 1450 nm		
Cutoff wavelength (nm)	1260 – 1380		
Polarization crosstalk (dB/100m)	≤ -30 @ 1550 nm		
Beat length (mm)	2.8 – 4.7 @ 1450 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM14-PS-U25D-H)

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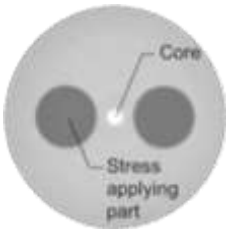
Specialty Fiber

PANDA Fiber 1310 nm band PANDA

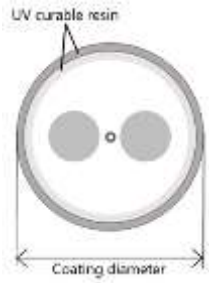
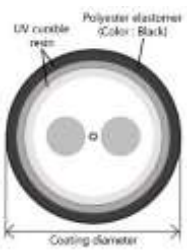
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 1310 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	HA13-PS-U25D	SM13-PS-U25D	S0M13-PS-U40D	SM13-PS-H90D
Wavelength band	1310 nm band			
Mode field diameter (μm)	5.5 ± 1.0 @ 1310 nm	9.0 ± 0.5 @ 1310 nm		
Concentricity error (μm)	≤ 0.5			
Cladding diameter(Major diameter) (μm)	125 ± 1			
Attenuation (dB/km)	≤ 2.0 @ 1310 nm	≤ 1.0 @ 1310 nm		
Cutoff wavelength (nm)	1000 – 1290	1130 – 1270		
Polarization crosstalk (dB/100m)	≤ -30 @ 1310 nm			
Beat length (mm)	≤ 2.5 @ 1310 nm	2.5 – 4.0 @ 1310 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm			
Coating material	UV curable resin			UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15		400 ± 15	900 ± 100
Cross-section image				

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM13-PS-U25D-H)

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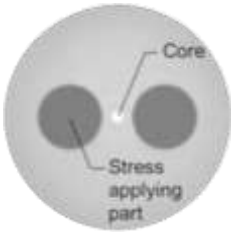
Specialty Fiber

PANDA Fiber 980 nm band PANDA

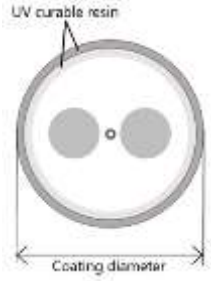
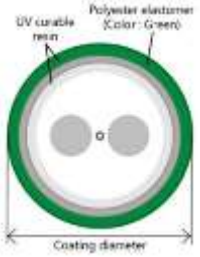
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 980 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM98-PS-U25D	SM98-PS-U40D	SM98-PS-H90D
Wavelength band	980 nm band		
Mode field diameter (μm)	6.6 ± 0.5 @ 980 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 2.5 @ 980 nm		
Cutoff wavelength (nm)	870 – 950		
Polarization crosstalk (dB/100m)	≤ -30 @ 980 nm		
Beat length (mm)	1.5 – 2.7 @ 980 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Green)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM98-PS-U25D-H)

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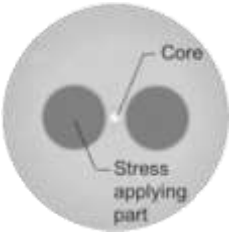
Specialty Fiber

PANDA Fiber 850 nm band PANDA

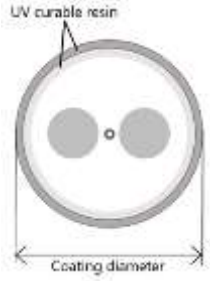
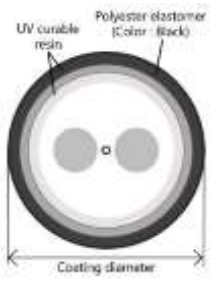
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 850 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM85-PS-U25D	SM85-PS-U40D	SM85-PS-H90D
Wavelength band	850 nm band		
Mode field diameter (μm)	5.5 ± 0.5 @ 850 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 3.0 @ 850 nm		
Cutoff wavelength (nm)	650 – 800		
Polarization crosstalk (dB/100m)	≤ -30 @ 850 nm		
Beat length (mm)	1.0 – 2.0 @ 850 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM85-PS-U25D-H)

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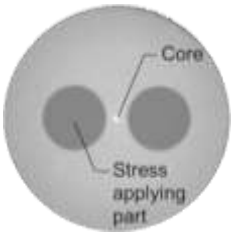
Specialty Fiber

PANDA Fiber 630 nm band PANDA

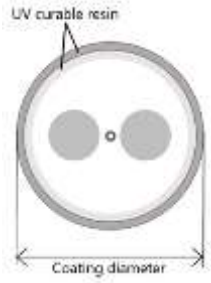
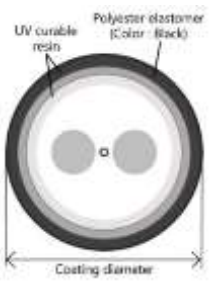
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 630 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM63-PS-U25D	SM63-PS-U40D	SM63-PS-H90D
Wavelength band	630 nm band		
Mode field diameter (μm)	4.5 ± 0.5 @ 630 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 12 @ 630 nm		
Cutoff wavelength (nm)	520 – 620		
Polarization crosstalk (dB/100m)	≤ -30 @ 630 nm		
Beat length (mm)	≤ 2.0 @ 630 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM63-PS-U25D-H)

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Specialty Fiber

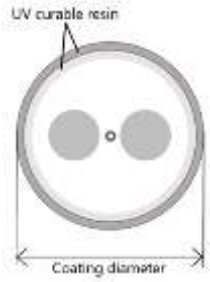
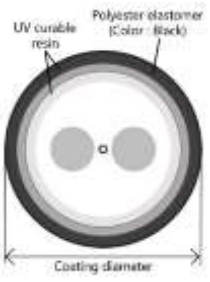
PANDA Fiber 530 nm band PANDA

Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.

Features

- Suitable for 530 nm band
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM53-PS-U40D	SM53-PS-H90D
Wavelength band	530 nm band	
Mode field diameter (μm)	4.2 ± 0.5 @ 630 nm	
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	125 ± 1	
Attenuation (dB/km)	≤ 15 @ 630 nm	
Cutoff wavelength (nm)	450 – 530	
Polarization crosstalk (dB/100m)	≤ -30 @ 630 nm	
Beat length (mm)	≤ 2.0 @ 630 nm	
Minimum bending radius	1 % proof test level: R30 mm(*1) 2 % proof test level: R20 mm	
Coating material	UV curable resin	UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	400 ± 15	900 ± 100
Cross-section image		

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SM53-PS-U40D-H)

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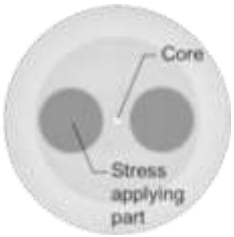
Specialty Fiber

PANDA Fiber 480 nm band PANDA

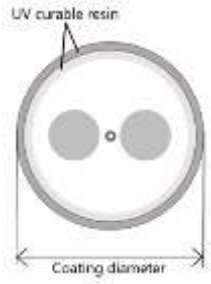
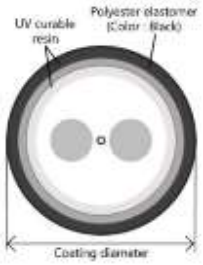
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 480 nm band
- Low polarization crosstalk and low attenuation
- High power light transmission with pure silica core
- RoHS compliant

Specifications

	SC48-PS-U25D	SC48-PS-U40D	SC48-PS-H90D
Wavelength band	480 nm band		
Mode field diameter (μm)	4.0 ± 0.5 @ 480 nm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 30 @ 480 nm		
Cutoff wavelength (nm)	400 – 470		
Polarization crosstalk (dB/100m)	≤ -30 @ 480 nm		
Beat length (mm)	≤ 2.0 @ 480 nm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SC48-PS-U25D-H)

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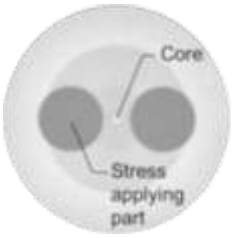
Specialty Fiber

PANDA Fiber 0.41 μm band PANDA

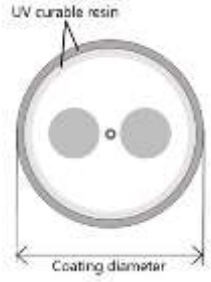
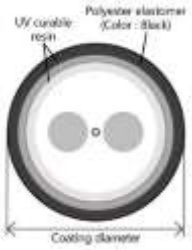
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for 0.41 μm band
- Low polarization crosstalk and low attenuation
- High power light transmission with pure silica core
- RoHS compliant

Specifications

	SC40-PS-U25D	SC40-PS-U40D	SC40-PS-H90D
Wavelength band	0.41 μm band		
Mode field diameter (μm)	3.5 ± 0.5 @ 0.41 μm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 50 @ 0.41 μm		
Cutoff wavelength (nm)	330 – 400		
Polarization crosstalk (dB/100m)	≤ -30 @ 0.41 μm		
Beat length (mm)	≤ 1.7 @ 0.41 μm		
Minimum bending radius	1 % proof test level: R30 mm(*1) / 2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., SC40-PS-U25D-H)

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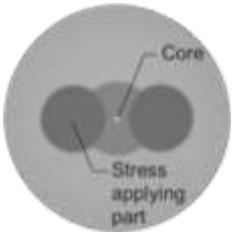
Specialty Fiber

PANDA Fiber RGB band PANDA

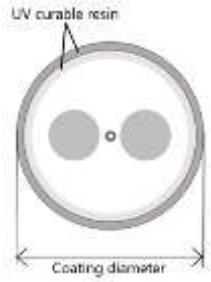
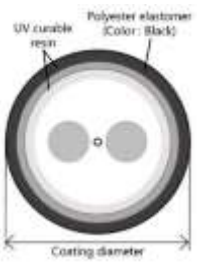
Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts.
Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Suitable for RGB band
- Low polarization crosstalk and low attenuation
- High power light transmission with pure silica core
- RoHS compliant

Specifications

	SC40-PX-U25D-H (RGB)	SC40-PX-U40D-H (RGB)	SC40-PX-H90D-H (RGB)
Wavelength band	RGB band		
Mode field diameter (μm)	2.3 ± 0.6 @ 0.41 μm , 3.8 ± 1.0 @ 0.63 μm		
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	125 ± 1		
Attenuation (dB/km)	≤ 50 @ 0.41 μm		
Cutoff wavelength (nm)	≤ 400		
Bending polarization crosstalk (dB, Φ60mm x 10 turns)	≤ -30 @ 0.63 μm		
Beat length (mm)	≤ 2.0 @ 0.63 μm		
Minimum bending radius	2 % proof test level: R20 mm		
Coating material	UV curable resin		UV curable resin/Polyester elastomer (Color : Black)
Coating diameter (μm)	245 ± 15	400 ± 15	900 ± 100
Cross-section image			

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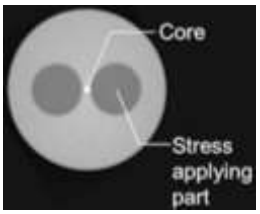
Specialty Fiber

PANDA Fiber Φ80 μm cladding band PANDA

Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.



Features

- Small diameter cladding
- Product for small bending radius
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	RCHA85-PS-U17D	RCSM98-PS-U17D	RCSM13-PS-U17D
Wavelength band	850 nm band	980 nm band	1310 nm band
Mode field diameter (μm)	3.5 ± 0.5 @ 850 nm	6.0 ± 0.5 @ 980 nm	8.2 ± 0.5 @ 1310 nm
Concentricity error (μm)	≤ 0.5		
Cladding diameter(Major diameter) (μm)	80 ± 1		
Attenuation (dB/km)	≤ 3.5 @ 850 nm	≤ 2.5 @ 980 nm	≤ 2.0 @ 1310 nm
Cutoff wavelength (nm)	650 – 800	870 – 950	1100 – 1250
Polarization crosstalk (dB/100m)	≤ -30 @ 850 nm	≤ -25 @ 980 nm	≤ -25 @ 1310 nm
Beat length (mm)	≤ 2.0	1.4 – 2.6	2.0 – 3.5
Minimum bending radius	1 % proof test level: R15 mm(*1) / 2 % proof test level: R15 mm		
Coating material	UV curable resin		
Coating diameter (μm)	165 ± 10		
Cross-section image			

***1.** 1% proof test level is standard. 2% proof test level is available, and code '-H' is added at the end of the product name. (e.g., RCSM15-PS-U17D-H)

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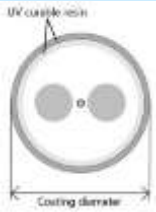
	RCSM15-PS-U17D
Wavelength band	1550 nm band
Mode field diameter (μm)	9.5 ± 0.5 @ 1550 nm
Concentricity error (μm)	≤ 0.5
Cladding diameter (Major diameter) (μm)	80 ± 1
Attenuation (dB/km)	≤ 2.0 @ 1550 nm
Cutoff wavelength (nm)	1290 – 1450
Polarization crosstalk (dB/100m)	≤ -25 @ 1550 nm
Beat length (mm)	2.5 – 4.5
Minimum bending radius	1 % proof test level: R15 mm(*1) / 2 % proof test level: R15 mm
Coating material	UV curable resin
Coating diameter (μm)	165 ± 10
Cross-section image	

	RCBI13-PX-U17D	RCBI15-PX-U17D
Wavelength band	1310 nm band	1550 nm band
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, R5mm x 10 turns)	≤ 0.1 @ 1310 nm	≤ 0.1 @ 1550 nm
Bending polarization crosstalk (dB, R5mm x 10 turns)	≤ -30 @ 1310 nm	≤ -30 @ 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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Specialty Fiber

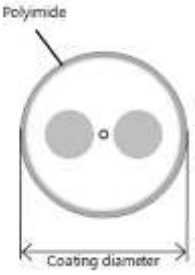
PANDA Fiber Polyimide coated PANDA

Fujikura PANDA fibers (Polarization-maintaining AND Absorption-reducing fiber) have a superior optical property in polarization-maintaining because of the symmetrical accuracy in cross section and the uniform constitution of stress applying parts. Based on Fujikura's fiber technology, PANDA fibers have a universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical connector.

Features

- Polyimide coated PANDA usable in wide range of temperature between -60 °C and +300 °C
- Low polarization crosstalk and low attenuation
- RoHS compliant

Specifications

	SM98-PS-Y15	SRSM15-PS-Y15
Wavelength band	980 nm band	1550 nm band
Mode field diameter (μm)	6.6 ± 0.5 @ 980 nm	9.4 ± 1.0 @ 1550 nm
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	125 ± 1	
Attenuation (dB/km)	≤ 2.5 @ 980 nm	≤ 2.0 @ 1550 nm
Cutoff wavelength (nm)	870 – 950	≤ 1440
Polarization crosstalk (dB/5m)	≤ -25 @ 980 nm	≤ -25 @ 1550 nm
Beat length (mm)	1.5 – 2.7 @ 980 nm	≤ 4.0 @ 1550 nm
Minimum bending radius	1 % proof test level: R30 mm	
Coating material	Polyimide (Single layer)	
Coating diameter (μm)	145 ± 10	
Cross-section image		

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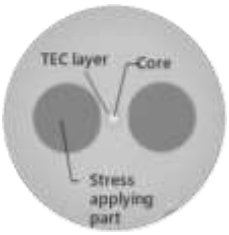
Fujikura

Specialty Fiber

TEC PANDA fiber with heat resistant coating

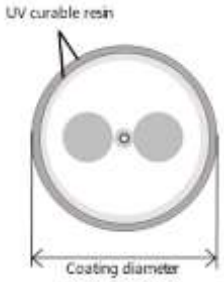
Fujikura TEC PANDA fibers with heat resistant coating can operate in a wide range of temperature between -40 °C and +150 °C. The fibers have a superior optical property and universal quality with not only low polarization crosstalk and low attenuation but also the suitability for fusion splice or optical connector. Thermally-diffused Expanded Core (TEC) technology expand the mode field diameter by the heat generated during fusion bonding.



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.
- Low MFD mismatch loss between silicon waveguide and normal fiber
- Low fusion loss between TEC PANDA fiber and normal fiber
- Suitable for bonding with silicon photonics devices.

Specifications

	TEC13-15-PS-U25HT-M4
Wavelength band	1310 nm band, 1550 nm band
Mode field diameter (μm)	3.4 ± 0.4 @ 1310 nm, 4.0 ± 0.3 @ 1550 nm
Concentricity error (μm)	≤ 0.5
Cladding diameter(Major diameter) (μm)	125 ± 1
Attenuation (dB/km)	≤ 50 @ 1310 nm, ≤ 35 @ 1550 nm
Cutoff wavelength (nm)	≤ 1280
Bending attenuation (dB, Φ5 mm × 10 turns)	≤ 0.01 @ 1550 nm
Bending polarization crosstalk (dB, Φ5 mm×5 turns)	≤ -25 @ 1550 nm
Beat length (mm)	≤ 5.0 @ 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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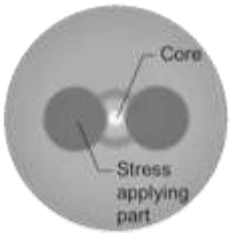
Specialty Fiber

PANDA fiber with heat resistant coating

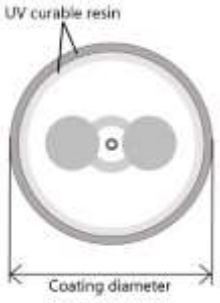
Fujikura PANDA fibers with heat resistant coating can operate in a wide range of temperature between -40 °C and +150 °C.
The fibers have a superior optical property and universal quality with not only low polarization crosstalk and low attenuation but also the broad suitability for fusion splice or optical 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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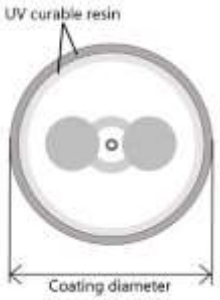
	RCBI13-PX-U17HT	RCBI15-PX-U17HT
Wavelength band	1310 nm	1550 nm
Mode field diameter (μm)	7.4 ± 0.5 @ 1310 nm	8.6 ± 0.4 @ 1550 nm
Concentricity error (μm)	≤ 0.5	
Cladding diameter(Major diameter) (μm)	80 ± 1	
Attenuation (dB/km)	≤ 3.0 @ 1310 nm	≤ 3.0 @ 1550 nm
Cutoff wavelength (nm)	≤ 1250	≤ 1500
Bending 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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