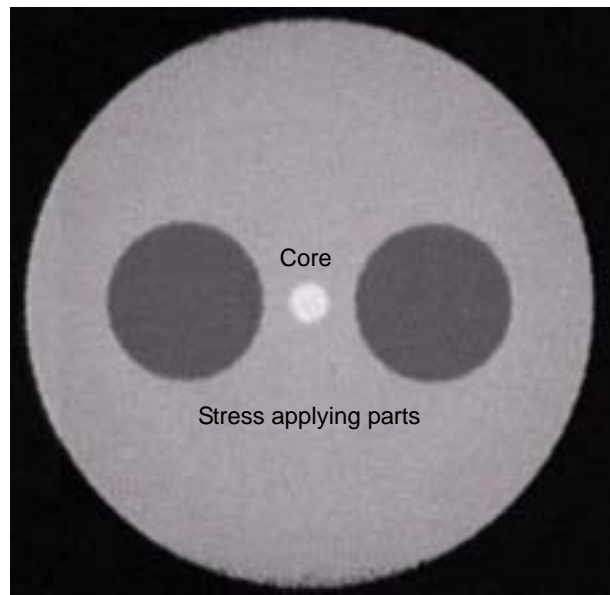


PANDA Fibers

(Polarization-maintaining and Absorption reducing Fibers)



Fujikura PANDA fibers 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

- ◇ Low Loss
- ◇ Low Polarization Crosstalk
- ◇ High reliability

Applications

- ◇ Pigtail for LD and Modulator and any polarization dependent devices
- ◇ 0.98 μm and 1.48 μm Pump LD stabilizer
- ◇ PMD Compensator for High speed system
- ◇ Sensing Fiber

PANDA fiber specifications

Fiber Type	λ_0	MF Dia	Concentricity error	Fiber major diameter	Attn	Beat Length	Polarization Crosstalk	Cut-off wavelength	Coating Structure	Coating diameter		
	Micro-ns	Micro-ns	Max. microns	Microns	Max dB/km	mm	Polarization Crosstalk	Max. dB/100m		Microns		
SC40-PS-G20A	0.41	3.5 +/- 0.7	1.6	125+/-1	50	≤ 1.7	-25	0.33 ~ 0.40	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200		
SC40-PS-N90A							UV/Polyamide(Black)		900+/-100			
SC40-PS-U40A							UV/UV		400+/-15			
SC40-PS-U25A									245+/-15			
SC48-PS-G20A	0.48	4.0 +/- 0.7			30	15 (*^)	≤ 2.0 (*^)	-30(*^)	0.40 ~ 0.47	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200	
SC48-PS-N90A										UV/Polyamide(Black)	900+/-100	
SC48-PS-U40A										UV/UV	400+/-15	
SC48-PS-U25A											245+/-15	
SM53-PS-G20A	0.53	4.2 +/- 0.5 (*^)			12	3.0	1.0- 2.0		-25	0.65 ~ 0.80	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200
SM53-PS-N90A											UV/Polyester-elastomer(Black)	900+/-100
SM53-PS-U40A											UV/Polyamide(Black)	900+/-100
SM63-PS-G20A	0.63	4.5 +/- 0.5			80+/-1	3.5	≤ 2.0		-30	0.80 ~ 0.95	UV/UV	400+/-15
SM63-PS-N90A			245+/-15									
SM63-PS-U40A			165+/-10									
SM85-PS-G20A	0.85	5.5(*)	0.7	125+/-1	2.5	1.5- 2.7	-25		1.10 ~ 1.29	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200	
SM85-PS-H90A										UV/Polyester-elastomer(Black)	900+/-100	
SM85-PS-N90A								UV/Polyamide(Black)		900+/-100		
SM85-PS-U40A								UV/UV		400+/-15		
SM85-PS-U25A										245+/-15		
RCHA85-PS-U17B	4.0(*)	1.0	80+/-1	2.0	2.0-3.5	-25	1.00 ~ 1.29	165+/-10				
SM98-PS-G20A	0.98	6.6(*)	0.7	125+/-1	2.0	2.5-4.0	-25	1.20 ~ 1.38	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200		
SM98-PS-H90A									UV/Polyester-elastomer(Black)	900+/-100		
SM98-PS-N90A									UV/Polyamide(Black)	900+/-100		
SM98-PS-U40A									UV/UV	400+/-15		
SM98-PS-U25A										245+/-15		
SM98-PR-U25A-H									8.2(*)	1.0	80+/-1	2.0
RCSM98-PS-U17B	6.0(*)	1.0	80+/-1	2.0	2.3-4.2	-25	1.53	245+/-15				
SM13-PS-G20A	1.30	9.5(*)	0.7	125+/-1	1.0	2.5-4.0	-25	1.20 ~ 1.38	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200		
SM13-PS-H90A									UV/Polyester-elastomer(Black)	900+/-100		
SM13-PS-N90A									UV/Polyamide(Black)	900+/-100		
SM13-PS-U40A									UV/UV	400+/-15		
SM13-PS-U25A										245+/-15		
SM13-PR-U25A-H									3.8-5.6	-25	1.00 ~ 1.29	165+/-10
RCSM13-PS-U17B									8.2(*)	1.0	80+/-1	2.0
HA13-PS-U25A	5.5(*)	0.7	125+/-1	2.0	≤ 2.5	-30	1.00 ~ 1.29	245+/-15				
SM14-PS-G20A	1.40 -1.49	9.8(*)	0.7	125+/-1	1.0	2.8-4.7	-25	1.20 ~ 1.38	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200		
SM14-PS-H90A									UV/Polyester-elastomer(Black)	900+/-100		
SM14-PS-N90A									UV/Polyamide(Black)	900+/-100		
SM14-PS-U40A									UV/UV	400+/-15		
SM14-PS-U25A										245+/-15		
SM14-PR-U25A-H									4.1-7.3	-25	1.20 ~ 1.38	165+/-10
RCSM14-PS-U17B	9.0(*)	1.0	80+/-1	2.0	2.3-4.2	-25	1.29 ~ 1.45	165+/-10				
SM15-PS-G20A	1.55	10.5(*)	0.7	125+/-1	0.5	3.0-5.0	-25	1.29 ~ 1.45	UV/Polyamide(Black)/ Polyolefin(Gray)	2000+/-200		
SM15-PS-H90A									UV/Polyester-elastomer(Black)	900+/-100		
SM15-PS-N90A									UV/Polyamide(Black)	900+/-100		
SM15-PS-U40A									UV/UV	400+/-15		
SM15-PS-U25A										245+/-15		
SM15-PR-U25A-H									4.4-7.8	-25	1.29 ~ 1.45	165+/-10
RCSM15-PS-U17B									9.5(*)	1.0	80+/-1	2.0
DS15-PS-G20A	1.53	8.0(*)	1.0	125+/-1	0.5	3.0-5.0	-25	1.53	UV/Polyamide(Blue)/ Polyolefin(Gray)	2000+/-200		
DS15-PS-H90A									UV/Polyester-elastomer(Blue)	900+/-100		
DS15-PS-N90A									UV/Polyamide(Blue)	900+/-100		
DS15-PS-U40A									UV/UV	400+/-15		

(*) +/- 1.0 μ m (*^)^SM53-PS measuring wavelength are 630nm.

(1) Standard proof test minimum is 1%. 2% proof test fiber is available. (P/N: SM15-PS-U40A-H for example)

(2) Panda fiber for Erbium-doped (P/N: ED15-PS-U25A) is also available.

(3) 530nm band type is newly released. (Type name SM53-PS-U40A, N90A, G20A)

The exports of these products are controlled under Foreign Exchange and Trade Law of Japan.



Specifications subject to change without prior notice

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