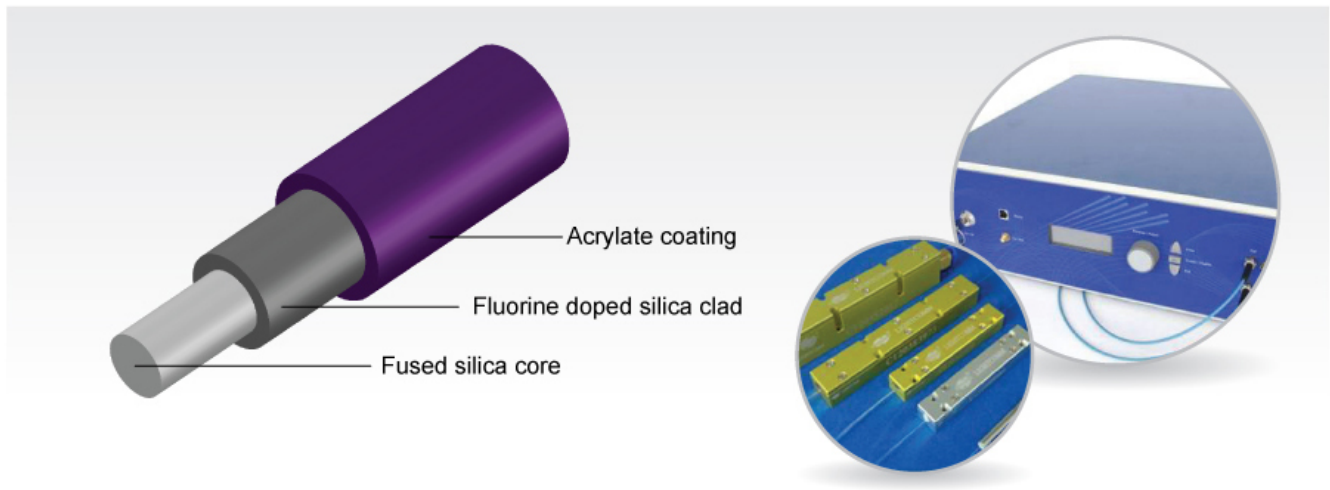


# Power Delivery Silica Core Fiber

## Silica Core Single Clad Fiber



### ■ Specifications

Fused Silica Core / Fluorine Doped Silica Clad  
 Core Sizes: 40 – 1000  $\mu\text{m}$   
 Cladding Sizes: 125 – 1100  $\mu\text{m}$   
 Proof Test: 100kpsi Using 4-Axis Bend Method  
 Wavelengths: (PTUU: VIS-UV): 190 nm – 1250 nm /  
 (PTIU: VIS-IR): 300 nm – 2400 nm  
 Numerical Aperture (NA): 0.12, 0.22, 0.26  
 Coating: Acrylate: -40°C ~ +85°C

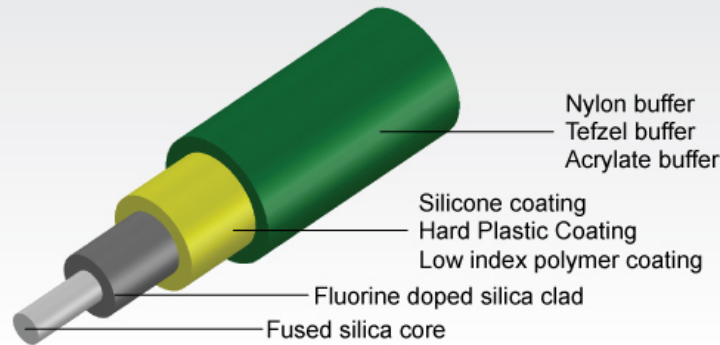
### ■ Typical Applications

Optical data transmission  
 Sensor technology  
 Spectroscopy  
 Medical technology  
 Laser applications

Acrylate Coating		Working Temperature: -40 ~ +85°C	
Fiber Type PTIU/PTUU	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )
40/125/250A22	40	125	250
50/55/100A22	50	55	100
50/125/250A22	50	125	250
60/125/250A22	60	125	250
100/140/250A22	100	140	250
105/125/250A22	105	125	250
200/220/320A22	200	220	320
400/440/625A22	400	440	625
800/880/1000A22	800	880	1000
1000/1100/1350A22	1000	1100	1350

# Power Delivery Silica Core Fiber

## Step Index Silica Core Double Clad Fiber

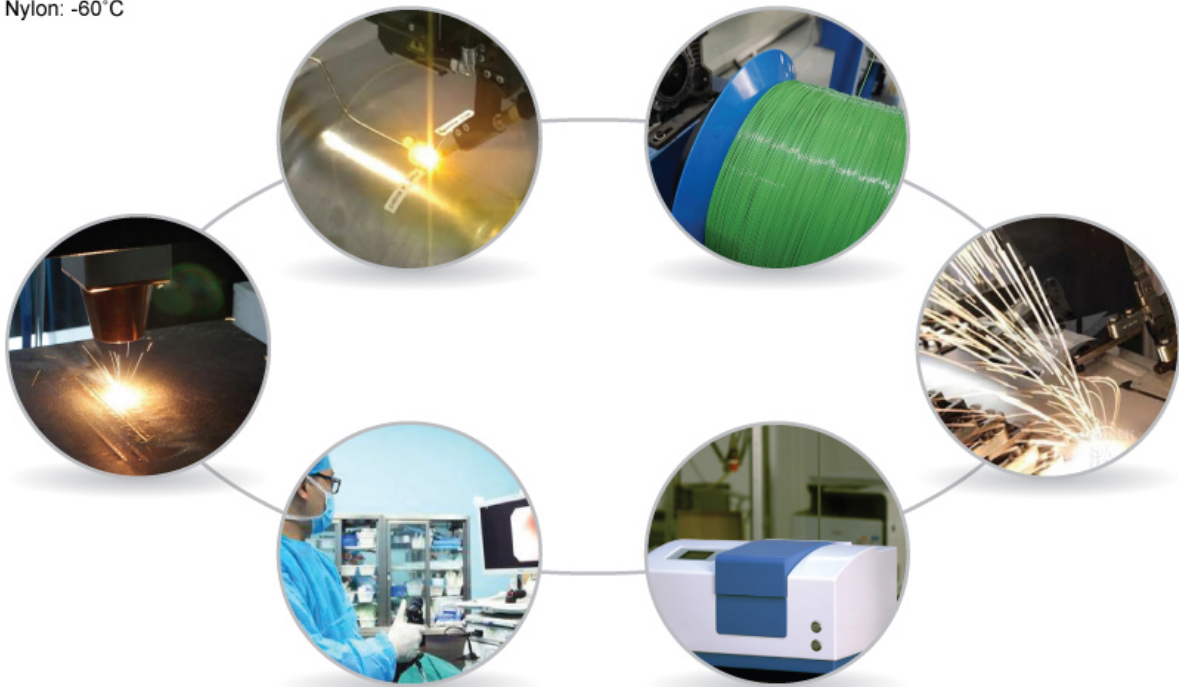


### ■ Specifications

Pure Silica Core / Fluorine Doped Silica Clad  
Core Sizes: 50 – 1000  $\mu\text{m}$   
Clad Sizes: 110 – 1100  $\mu\text{m}$   
Proof Test: 100kpsi Using 4-Axis Bend Method  
Wavelengths: (PTUU: VIS-UV): 190 nm – 1250 nm /  
(PTIU: VIS-IR): 300 nm – 2400 nm  
Numerical Aperture (NA): 0.12, 0.22, 0.26  
Coating: Tefzel: -65°C ~ +200°C  
Acrylate: -40°C ~ +85°C  
Nylon: -60°C

### ■ Typical Applications

Optical data transmission  
Sensor technology  
Spectroscopy  
Medical technology  
Laser applications



Hard Plastic Coating / Tefzel Buffer				Working Temperature: -65 ~ +200° C	
Fiber Type PTIU	Core Diameter ( $\mu\text{m}$ )	Cladding Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )	
200/240/260/400HT22	200	240	260	400	
273/300/325/420HT22	273	300	325	420	
365/400/430/730HT22	365	400	430	730	
550/600/630/750HT22	550	600	660	750	
940/1000/1035/1400HT22	940	1000	1035	1400	

Silicone Coating / Tefzel Buffer				Working Temperature: -60 ~ +200° C	
Fiber Type PTIU/PTUU	Core Diameter ( $\mu\text{m}$ )	Cladding Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )	
100/110/240/310ST22	100	110	240	310	
100/140/240/370ST22	100	140	240	370	
200/220/320/480ST22	200	220	320	480	
300/330/480/720ST22	300	300	480	720	
400/440/590/880ST22	400	440	590	880	
600/660/810/1200ST22	600	660	810	1200	
800/880/1030/1550ST22	800	880	1030	1550	
1000/1100/1250/1850ST22	1000	1100	1250	1850	

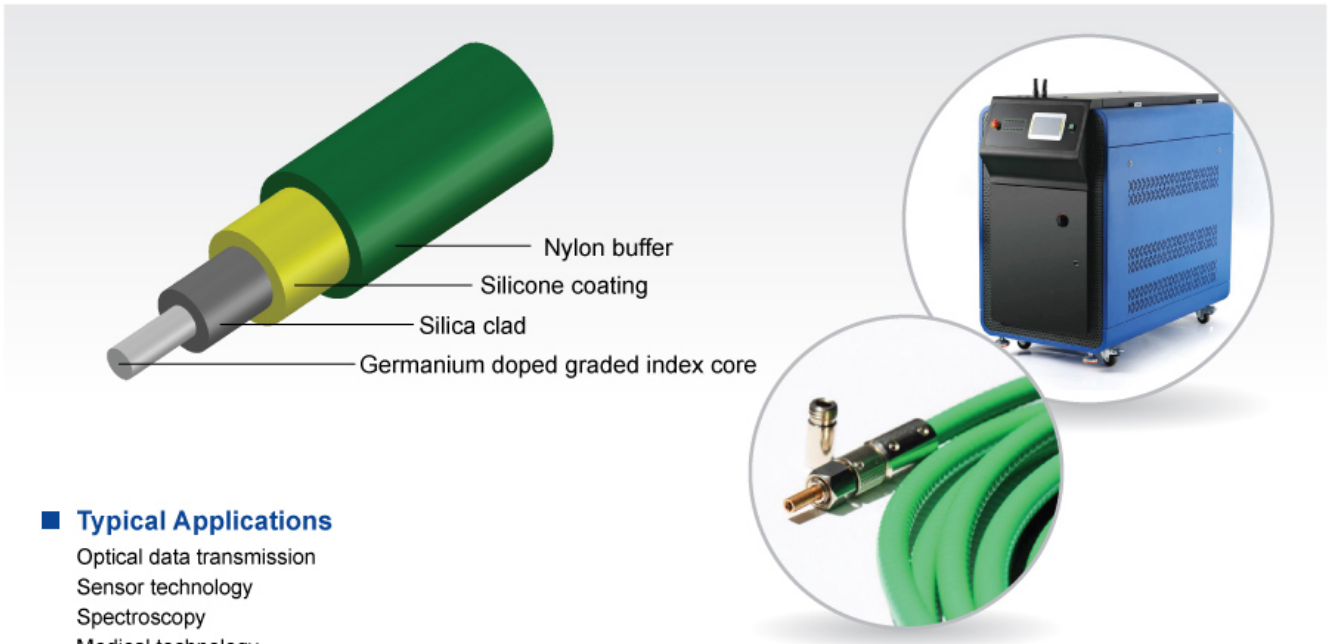
Silicone Coating / Nylon Buffer				Working Temperature: -60 ~ +105° C	
Fiber Type PTIU/PTUU	Core Diameter ( $\mu\text{m}$ )	Cladding Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )	
50/125/225/295SN22	50	125	225	295	
100/110/210/280SN22	100	110	210	280	
100/140/240/310SN22	100	140	240	310	
200/220/320/390SN22	200	220	320	390	
300/330/430/530SN22	300	330	430	530	
400/440/540/640SN22	400	440	540	640	
600/660/760/860SN22	600	660	760	860	
800/880/980/1080SN22	800	880	980	1080	
1000/1100/1200/1300SN22	1000	1100	1200	1300	

Low Index Polymer Coating / Acrylate Buffer				Working Temperature: -40 ~ +85° C	
Fiber Type PTIU/PTUU	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )	
135/155/320FA22	135	155	205	320	
200/220/320FA22	200	220	270	320	
220/242/320FA22	220	242	292	320	
400/480/640FA22	400	480	530	640	

# Power Delivery Silica Core Fiber

## Graded Index Silica Core Double Clad Fiber



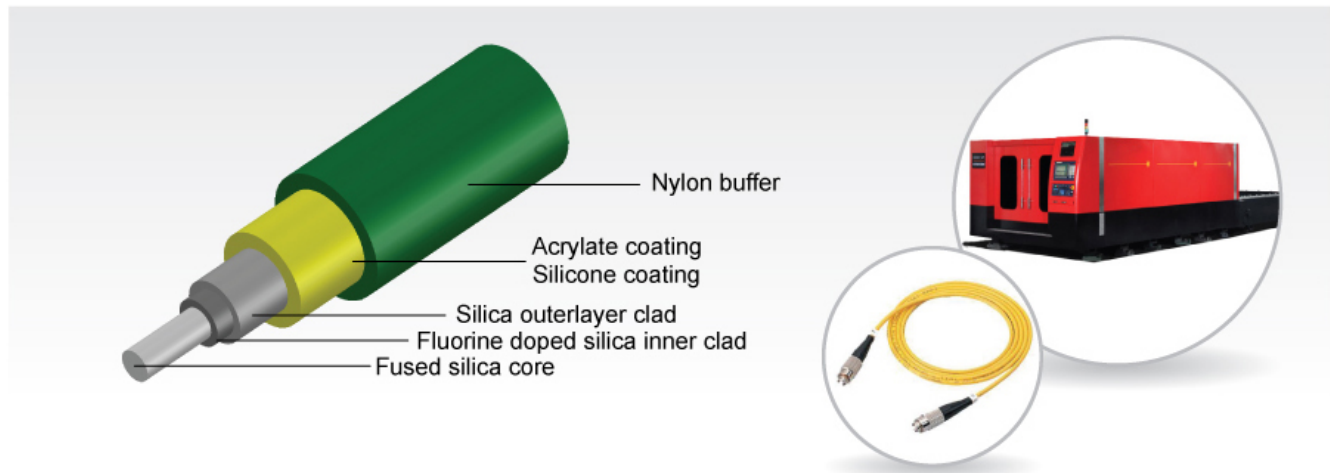
### ■ Typical Applications

- Optical data transmission
- Sensor technology
- Spectroscopy
- Medical technology
- Laser applications

Silicone Coating / Nylon Buffer		Working Temperature: -60 ~ +105° C	
Fiber Type PTIF/PTUF	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )
200/500/1300	200	500	1300
300/500/1300	300	500	1300
400/500/1300	400	500	1300
600/750/1700	600	750	1700
800/1000/2000	800	1000	2000

# Power Delivery Silica Core Fiber

## Silica Core Triple Clad Fiber



### ■ Specifications

Fused Silica Core / Fluorine Doped Silica Clad  
 Core Sizes: 100 – 800  $\mu\text{m}$   
 Clad Sizes: 110 – 1000  $\mu\text{m}$   
 Proof Test: 100kpsi Using 4-Axis Bend Method  
 Wavelengths: (PTUS: VIS-UV): 190 nm – 1250 nm  
 (PTIS: VIS-IR): 300 nm – 2400 nm  
 Numerical Aperture (NA): 0.12, 0.22, 0.26  
 Coating: Nylon: -60°C ~ +105°C  
 Acrylate: -40°C ~ +85°C

### ■ Typical Applications

Optical data transmission  
 Sensor technology  
 Spectroscopy  
 Medical technology  
 Laser applications

Acrylate Coating				Working Temperature: -40 ~ +85°C	
Fiber Type PTIS/PTUS	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )		
100/500/600A22	100	500	600		
200/500/600A22	200	500	600		
300/500/600A22	300	500	600		
400/500/600A22	400	500	600		

Silicone Coating / Nylon Buffer				Working Temperature: -60 ~ +105°C	
Fiber Type PTIS/PTUS	Core Diameter ( $\mu\text{m}$ )	Clad Diameter ( $\mu\text{m}$ )	Coating Diameter ( $\mu\text{m}$ )	Buffer Diameter ( $\mu\text{m}$ )	
100/500/780/1300SN22	100	500	780	1300	
200/500/780/1300SN22	200	500	780	1300	
300/500/780/1300SN22	300	500	780	1300	
400/500/780/1300SN22	400	500	780	1300	
600/750/1100/1700SN22	600	750	1100	1700	
800/1000/1320/2000SN22	800	1000	1320	2000	