

## Zirconia Ferrules

### SC-APC and FC-APC



#### APPLICATIONS

- High performance fiber optic connectors used in environments requiring durability after repeated matings, low insertion loss and low back reflection
- Fiber stub
- SC, FC, ST, D4, MU, LC, DIN and other fiber optic connectors
- Singlemode and multimode

#### FEATURES

- High performance and durability
- Low insertion loss\*
- Low back reflection\*
- A PC type with various endface configurations, as well as pre-angled endface for quick polishing and ultra low back-reflection
- Standard and custom configuration-

SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Singlemode $\geq 1$ micron
<b>Inner Diameter Tolerance</b>	Singlemode $+1/-0$ micron
<b>Outer Diameter Tolerance</b>	Singlemode $\pm 0.5$ micron
<b>Length Tolerance (No flange)</b>	$10.5 \pm 0.05$ mm
<b>V-Groove</b>	$60/90 \pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
C SC & FC Connectors	S Singlemode	AS APC Step	125 125 $\mu$ m	NN No Flange
		AC APC Conical	1255 125.5 $\mu$ m	FA APC Flange*
			126 126 $\mu$ m	

ORDER CODE example: **CSAS - 125 - NN**

## Zirconia Ferrules

### SC and FC Singlemode



Note:

1. When following SENKO recommended procedures.
2. Custom length, inner and outer diameter dimensions available upon request
3. \*0.5 $\mu$ m concentricity also available.

SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Singlemode $\leq 1$ micron
<b>Inner Diameter Tolerance</b>	Singlemode $+1/-0$ micron
<b>Outer Diameter Tolerance</b>	Singlemode $\pm 0.5$ micron
<b>Length Tolerance (No flange)</b>	$10.5 \pm 0.05$ mm
<b>Spherical Radius (pre-dome)</b>	$20 + 5/-10$
<b>V-Groove</b>	$60/90 \pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
C SC & FC Connectors	S Singlemode	PC Pre-dome	125 125 $\mu$ m	NN No Flange
			1255 125.5 $\mu$ m	F4 4 Slot Flange
			126 126 $\mu$ m	

ORDER CODE example: **CSPC - 125 - NN**

## Zirconia Ferrules

### SC and FC Multimode



SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Multimode $\leq 4\mu\text{m}$
<b>Inner Diameter Tolerance</b>	Multimode $+4/-0\mu\text{m}$
<b>Outer Diameter Tolerance</b>	Multimode $\pm 1\mu\text{m}$
<b>Length Tolerance (No flange)</b>	$10.5 \pm 0.1\text{mm}$
<b>Spherical Radius (pre-dome)</b>	$20 + 5/-10$
<b>V-Groove</b>	$60/90 \pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
C SC & FC Connectors	M Multimode	PC Pre-dome	127 127 $\mu\text{m}$	NN No Flange
			144 144 $\mu\text{m}$	F4 4 Slot Flange
			230 230 $\mu\text{m}$	

ORDER CODE example: **CMPC - 127 - NN**

#### APPLICATIONS

- High performance fiber optic connectors used in environments requiring durability after repeated matings, low insertion loss and low back reflection
- Fiber stub
- SC, FC, ST, D4, MU, LC, DIN and other fiber optic connectors
- Singlemode and multimode

#### FEATURES

- High performance and durability
- Low insertion loss\*
- Low back reflection\*
- A PC type with various endface configurations, as well as pre-angled endface for quick polishing and ultra low back-reflection
- Standard and custom configuration-

## Zirconia Ferrules

### LC and MU Singlemode



SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Multimode $\leq 1\mu\text{m}$
<b>Inner Diameter Tolerance</b>	Multimode $+1/-0\mu\text{m}$
<b>Outer Diameter Tolerance</b>	Singlemode $\pm 0.5\mu\text{m}$
<b>Length Tolerance (No flange)</b>	6.5 $\pm$ 0.5mm (MU) 6.5 $\pm$ 0.7mm (LC)
<b>V-Groove</b>	$60/90 \pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
M MU Connectors	S Singlemode	FL Flat	125 125 $\mu\text{m}$	NN No Flange
L LC Connectors			1255 125.5 $\mu\text{m}$	FM MU Flange
			126 126 $\mu\text{m}$	FL-35 LC Flange

ORDER CODE example: **LSFL - 126 - FL-35**

Note:  
Custom length, inner and outer diameter dimensions available upon request.

## Zirconia Ferrules

### LC and MU Multimode



#### APPLICATIONS

- High performance fiber optic connectors used in environments requiring durability after repeated matings, low insertion loss and low back reflection
- Fiber stub
- SC, FC, ST, D4, MU, LC, DIN and other fiber optic connectors
- Singlemode and multimode

#### FEATURES

- High performance and durability
- Low insertion loss\*
- Low back reflection\*
- A PC type with various endface configurations, as well as pre-angled endface for quick polishing and ultra low back-reflection
- Standard and custom configuration-

SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Multimode $\leq 4$ micron
<b>Inner Diameter Tolerance</b>	Multimode $+4/-0$ micron
<b>Outer Diameter Tolerance</b>	Multimode $\pm 1$ micron
<b>Length Tolerance (No flange)</b>	6.5 $\pm 0.5$ mm (MU) 6.5 $\pm 0.7$ mm (LC)
<b>V-Groove</b>	60/90 $\pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
<b>M</b> MU Connectors	<b>M</b> Multimode	<b>FL</b> Flat	<b>126</b> 127 $\mu$ m	<b>NN</b> No Flange
<b>L</b> LC Connectors			<b>144</b> 144 $\mu$ m	<b>FM</b> MU Flange <b>FL-35</b> LC Flange

ORDER CODE example: **LMFL - 126 - FL-35**

## Zirconia Ferrules

### ST Singlemode and Multimode



For ST Singlemode Connector  $\phi 2.499$ mm No flange

Note:  
Custom length, inner and outer diameter dimensions available upon request.

SPECIFICATION	
<b>Material</b>	Zirconia
<b>Concentricity (Standard)</b>	Singlemode $\leq 1$ micron, Multimode $\leq 1$ micron
<b>Inner Diameter Tolerance</b>	Multimode $+1/-0$ micron, Multimode $+4/-0$ micron
<b>Outer Diameter Tolerance</b>	Singlemode $\pm 0.5$ micron, Multimode $\pm 1$ micron
<b>Length Tolerance (No flange)</b>	12.7 $\pm 0.05$ (SM) 12.70 $\pm 0.1$ (MM)
<b>Spherical Radius</b>	20 $\pm 5/-10$
<b>V-Groove</b>	60/90 $\pm 5$ degrees

CONNECTOR	TYPE	ENDFACE	ID	FLANGE
<b>T</b> ST	<b>S</b> Singlemode	<b>PC</b> Pre-dome	<b>125</b> 125 $\mu$ m	<b>NN</b> No Flange
	<b>M</b> Multimode		<b>126</b> 126 $\mu$ m <b>127</b> 127 $\mu$ m	

ORDER CODE example: **TSPC - 125 - NN**

## Zirconia Sleeves

Zirconia sleeves and tubes are precision manufactured according to strict quality and performance standards. They are available for singlemode and multimode applications.

Reliable mating is assured with strictly controlled dimensions and withdrawal force. Standard styles for FC include SC, FC, ST, D4, LC and MU, with custom designs also available. Diagonal split sleeves are available for superior durability requirements. Tubes are also available.

SPECIFICATION	ST	SC, FC	LC, MU
<b>Material</b>	Zirconia		
<b>Withdrawal Force</b>	200gf~600gf		100gf~250gf
<b>Insertion Loss</b>		Max 0.5dB, 0.1dB typical or better	
<b>Durability</b>		<0.02dB deviation after 1000 matings <0.02dB after temperature cycle test	
<b>Outer Diameter</b>	3.2 ± 0.02mm		1.62 ± 0.01mm
<b>Inner Diameter</b>	(2.49)mm		(1.246)mm
<b>Length</b>	10.1 ± 0.1mm	11.4 ± 0.1mm	6.8 ± 0/-0.1mm
<b>Slit Width</b>	Max 0.5 ± 0.01mm		Max 0.2 ± 0.01mm
<b>Chamfer</b>		2 x R0.1	

### APPLICATIONS

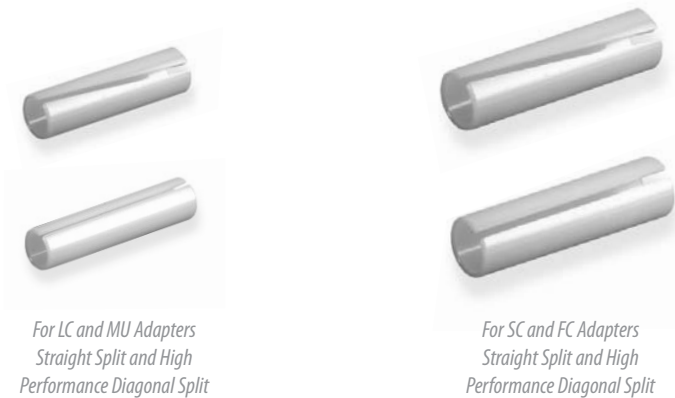
- Singlemode and multimode
- SC, FC, ST, DIN, MU, LC adapters
- Fiber optic receptacles, adapters, attenuators and other

### FEATURES

- High quality zirconia material
- High performance and superior durability
- Low insertion loss\*

Note:  
When following  
SENKO recommended  
procedures.

## Zirconia Sleeves



For LC and MU Adapters  
Straight Split and High  
Performance Diagonal Split

For SC and FC Adapters  
Straight Split and High  
Performance Diagonal Split

SLEEVE CODE	INNER DIAMETER	LENGTH
<b>ZRS</b> Straight Split Sleeve	<b>25</b> (2.49)mm	<b>101</b> 10.1mm ST
<b>ZRD</b> Diagonal Split Sleeve		<b>114</b> 11.4mm SC & FC

ORDER CODE example: **ZRD - 25 - 114**

SLEEVE CODE	INNER DIAMETER	LENGTH
<b>ZRS</b> Straight Split Sleeve	<b>12</b> (1.25)mm	<b>680</b> 6.8mm
<b>ZRD</b> Diagonal Split Sleeve		

ORDER CODE example: **ZRS - 12 - 680**

- Note:
1. Outer and inner diameter dimensions in ( ) are to be considered as references, which shall be adjusted to the required withdrawal force as specified.
  2. Zirconia tubes also available. Custom configurations available upon request. dimensions available upon request.

## Phosphor Bronze Sleeves

Metal split sleeves are used in adapters for aligning the connector ferrule. They are manufactured for both singlemode and multimode applications. The high quality phosphor bronze material delivers a spring-like property which ensures a strictly controlled withdrawal force of 200 to 600 grams. Tolerance specifications are also well controlled, resulting in a typical insertion loss of 0.1dB\* or less.

SPECIFICATION	ST	SC, FC	D4	LC
<b>Material</b>	Phosphor Bronze C5210H			
<b>Withdrawal Force</b>	200gf~600gf			100gf~300gf
<b>Insertion Loss</b>	Max 0.5dB, typical 0.1dB or better			
<b>Outer Diameter</b>	(3.08)mm		(2.48)mm	(1.62)mm
<b>Inner Diameter</b>	(2.48)mm		(1.98)mm	(1.25)mm
<b>Length</b>	10.1 ± 0.1mm	11.4 ± 0.1mm	10.4 ± 0.1mm & 9.88 ± 0.1mm	6.8 ± 0.1mm
<b>Slit Width</b>		Max 0.5mm		Max 0.2mm
<b>Chamfer</b>	2 x 0.1 +0.1/-0			

### APPLICATIONS

- Singlemode and multimode
- SC, FC, ST, D4, MU, LC and DIN adapters
- Fiber optic receptacles, adapters, attenuators and other

### FEATURES

- High quality phosphor bronze material
- High performance and superior durability
- Low insertion loss\*

Note:

1. When following SENKO recommended procedures.
2. MU Phosphor Bronze Sleeve specifications available upon request.
3. Outer and inner diameter dimensions in ( ) are to be considered as references, which shall be adjusted to the required withdrawal force as specified.

## Phosphor Bronze

## Adapter Sleeve



For SC and FC Adapters



For D4 Adapter



For LC and MU Adapters

SLEEVE CODE	INNER DIAMETER	LENGTH
<b>PBS</b> Adapter Sleeve	25 (2.48)mm	101 10.1mm ST
		114 11.4mm SC & FC

ORDER CODE example: **PBS - 25 - 114**

SLEEVE CODE	INNER DIAMETER	LENGTH
<b>PBS</b> Phosphor Bronze	20 (1.98)mm	104 10.4mm
		988 9.88mm

ORDER CODE example: **PBS - 20 - 988**

SLEEVE CODE	INNER DIAMETER	LENGTH
<b>PBS</b> Phosphor Bronze	12 (1.25)mm	680 6.80mm

ORDER CODE example: **PBS - 12 - 680**

## APC-8000

## High Volume Polisher

### APPLICATIONS

- High production polishing of industry standard fiber optic connectors and adapters
- Polishing of glass capillaries and fiber stubs

### FEATURES

- Enhanced fixture-to-platten locking mechanism for eliminating unwanted motion on horizontal plane
- Improved safety cover assembly forming enclosure around the fixture to confine water within the polishing area
- Wide range of speeds for greater control over polishing regime and throughput
- Enhanced software capabilities, with more than 35 programmable recipes, 10 steps per recipe
- Step-by-step guidance and on-screen warning system
- Expanded safety features
- Universal fixture diameter, compatible with fixtures from previous models

### CONNECTOR CAPABILITY

- LC-UPC, LC-APC
- MU-UPC
- SC-UPC, SC-APC
- FC-UPC, FC-APC
- ST-UPC
- E2000™, E2000™-APC
- MT-RJ, MT, Angled MT
- SMA



The APC-8000 features a superior fixture-to-platten locking mechanism and other design enhancements to give the user consistent polishing results at high production volumes. The fixture-to-platten locking mechanism confines motion to vertical plane, eliminating horizontal movement that may cause damage to the fiber. Polishing results are consistent and yield end face geometry exceeding GR-326-CORE standards\*. In addition, the user can polish as little as three connectors at a time without the need to use additional dummy connectors to completely fill the fixture.

The polisher also features an improved safety cover assembly which forms an enclosure around the fixture to confine water within the polishing area. A labyrinth seal platten sits on top of a one-piece water tray for collecting polishing runoff. As a result, the machine does not require frequent maintenance and lubrication, and the polishing procedure is effective and hassle-free. Like previous models, the APC-8000 features a dual concentric drive motion for multi-axis polishing, but features a wider range of speeds available to the user for greater control over polishing cycle and throughput. Polishing can be done at higher speeds without compromising quality.

The APC-8000's expanded software capabilities and safety features make it easy and safe to use. It features a step-by-step automated guidance system, a sensor switch that prevents operation when the cover is open, an onscreen warning system, and an emergency stop button with a key-operated release. The software stores up to 35 recipes, with 10 polishing steps per recipe. The APC-8000 is a free-floating fixture polisher for polishing industry standard, small form factor and multifiber connectors. New fixtures will hold between 12 and 48 connectors or ferrules, depending on connector type. Fixtures from previous models (APC-7000 and APC-9000) may be adjusted for full compatibility with the APC-8000. Please contact a SENKO representative for more information.

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### FIXTURE-TO-PLATTEN LOCKING MECHANISM

- Fixture incorporates 3 locator posts which mate firmly with slots in the safety cover assembly during locked position
- Locking mechanism confines motion to a vertical plane, eliminating unwanted horizontal motion
- Offers consistent polishing results even at high platten speeds
- User can polish as little as three connectors at a time



### SAFETY FEATURES

- CE Approval
- Sensor detects when cover is open and prevent operation.
- Emergency stop button with key-operated release
- Machine does not operate unless fixture posts are aligned with cover and fixture is in contact with rubber pad and platten
- Polishing machine stalls if it senses an obstruction between the fixture and the platten before the 3 locator posts are in place



ORDER CODE example:

**APC-8000**

## POLISHING SYSTEM

### Polishing Fixture Packages



FC Fixture



MT Fixture



LC Fixture

PRODUCT NUMBER	POLISHING FIXTURE	PACKAGES POSITIONS	NOTE
MU-1.25-24-8	MU One-piece Connector Fixture	24	
LC-1.25-24-8	LC One-piece Connector Fixture	24	
UPC-1.25-36-8	LC/MU Locking Ferrule Fixture	48	
UPC-2.5-24-8	2.5mm UPC Locking Ferrule Fixture	36	SC/FC/E2000-UPC/SC
UPC-LF-8	Universal Loading Fixture		
E-2000-APC-12-8	APC Ferrule Fixture	12	
SC-APC2.5-18-X	SC/APC One-piece, 2.5mm	18	(X) Specify ferrule tip during order
FC-APC2.5-18-X	FC/APC One-piece, 2.5mm	18	(X) Specify ferrule tip during order
SC-UPC2.5-18-8	SC/UPC One-piece, 2.5mm	18	
SC-UPC2.5-18-8	SC/UPC One-piece, 2.5mm	18	
FC-UPC-2.5-18-8	FC/UPC One-piece, 2.5mm	18	
ST-UPC2.5-18-8	ST/UPC One-piece, 2.5mm	18	
SMA-12-8	SMA Fixture, only for 1-piece connectors	12	For critical ferrule end-length applications
MT-12-8	MT Fixture	12	
AMT-12-8	Angled MT Fixture	12	

### PRECISION FIXTURE TOOLING

- Highly durable
- Corrosion resistant
- Custom development available

## POLISHING SYSTEM

### Polishing Rubber Pads



All rubber pad consumables are certified for hardness and parallelism. Pads are available with durometer specifications and color coding found below.

PRODUCT NUMBER	COLOR	DESCRIPTION
RUG55.0-90	Black	5"x5mm 90 duro
RUG55.0-85	Grey	5"x5mm 85 duro
RUG55.0-80	Green	5"x5mm 80 duro
RUG55.0-75	Brown	5"x5mm 75 duro
RUG55.0-70	Violet	5"x5mm 70 duro
RUG55.0-65	Dark Blue	5"x5mm 65 duro
RUG55.0-60	Blue	5"x5mm 60 duro
RUG55.0-55	Rust	5"x5mm 55 duro
RUG55.0-50	Red	5"x5mm 50 duro
RUG55.0-45	Burgundy	5"x5mm 45 duro
RUG55.0-40	Orange	5"x5mm 40 duro

ORDER CODE example:..

**RUG55.0-90**

### SPECIFICATIONS

- Thickness: 2.5mm ~ 5.5mm
- Parallelism:  $\pm 0.05$ mm
- Durometer: 40 ~ 90
- Durometer Tolerance:  $\pm 2.5$

Note:  
4.8mm, 4.9mm thicknesses and custom types available upon request.

**POLISHING SYSTEM**

**Polishing Films**

**APPLICATION**

- Industry standard fiber optic connectors
- Ferrules
- Epoxy removal, grinding, fine polish and cleaning

**FEATURES**

- Consistent particle deposition
- Various film diameters
- Various particle sizes

**COMPATIBILITY**

Films are compatible with the following connector styles:

- LC-UPC, LC-APC
- MU-UPC
- SC-UPC, SC-APC
- FC-UPC, FC-APC
- ST-UPC
- E2000-UPC, E2000-APC

HUAKE Polishing Films are available with surface textures and particle density to suit the end user's performance requirements. Films are lot tested for quality, consistency and longevity. A range of films are available for epoxy removal, grinding, fine polish and cleaning of industry standard fiber optic connectors and ferrules.



**ORDER CODE (POLISHING FILMS)**

PRODUCT NUMBER	DESCRIPTION	DIAMETER
LFC010-XN	Silicon Carbide, 30µm	(X) Specify 4" or 5"
LFC030-XN	Silicon Carbide, 15µm	(X) Specify 4" or 5"
LFC050-XN	Silicon Carbide, 9µm	(X) Specify 4" or 5"
LFD050-X	Diamond, 9µm	(X) Specify 4" or 5"
LFD100-X	Diamond, 6µm	(X) Specify 4" or 5"
LFD200-X	Diamond, 3µm	(X) Specify 4" or 5"
LFD250-X	Diamond, 1µm	(X) Specify 4" or 5"
LFD300-X	Diamond, 0.5µm	(X) Specify 4" or 5"
LFOS01-XN	UPC Final Polishing Film	(X) Specify 4" or 5"
LFF500-5N	Cleaning Film	5 inches

**ORDER CODE (MT POLISHING FILMS)**

PRODUCT NUMBER	DESCRIPTION
LFC010-5NP	PSA Type, Silicon Carbide, 30µm
LFC030-5NP	PSA Type, Silicon Carbide, 15µm
LFC200-5NP	PSA Type, Silicon Carbide, 3µm
LFFC200-5NP	PSA Type, Flocked Silicon Carbide, 3µm
LFFAO250-5NP	PSA Type, Flocked Aluminum Oxide, 1µm
LFFAO300-5NP	PSA Type, Flocked Aluminum Oxide, 0.5µm
LFFC0300-5NP	PSA Type, Flocked Cerium Oxide, 0.5µm
LFF500-5N	Non-PSA Type Buffing Film
LSS-1	Colloidal Silica Suspension

ORDER CODE example:.

**LFC010-XN**



## POLISHING FILMS

### Longlife Diamond Series



#### LongLife Series (LFD250-5X-L & LFD200-5X-L)

The LongLife Diamond Series is used to grind and polish the connector endface to a smooth surface as illustrated in the figures below (please refer to Polishing-1 and Polishing-2).

PRODUCT	PARTICLE SIZE	BASE MATERIAL THICKNESS
LFD200-5X	3.0µm	75.0µm
LFD250-5X	1.0µm	75.0µm

#### APC SERIES

POLISHING PROCESS	FILM	TIME	FLUID	GRAM FORCE PER CONNECTOR	RPM
Adhesive Removal	LFC030-5N	30sec	None	120	100
Polishing-1	LFD200-5S	30sec	Water	210	150
Polishing-2	LFD250-5S	90sec	Water	210	150
Finishing	LFOS-01-05	120sec	Water	210	150

#### POLISHING FILM ORDER CODE: LONGLIFE SERIES

PRODUCT NUMBER	DESCRIPTION
LFC030-5N	Silicon Carbide Epoxy Removal Film (15µm), 5 Inch diameter
LFD100-5X-L	Diamond Polishing Film (6µm) 5 Inch diameter
LFD200-5X-L	Diamond Polishing Film (3µm) 5 Inch diameter
LFD250-5X-L	Diamond Polishing Film (1µm) 5 Inch diameter
LFD300-5X-L	Diamond Polishing Film (0.5µm) 5 Inch diameter
LFF500-5N	Cleaning Film — 5 Inch diameter
LFD100-6x6-L	Diamond Polishing Film (6µm) — 6 x 6 Inch square
LFD200-6x6D-L	Diamond Polishing Film (3µm) — 6 x 6 Inch square
LFD250-6x6D-L	Diamond Polishing Film (1µm) — 6 x 6 Inch square

ORDER CODE example:.

**LFD100-5X-L**

## POLISHING FILMS

### LFD Diamond Series



#### LFD Diamond Series (LFD250-5X & LFD200-5X)

The LFD Diamond Series is used to grind and polish the connector endface to a smooth surface.

PRODUCT NUMBER	DESCRIPTION
LFD100-5X	Diamond Polishing Film (6µm) 5 Inch diameter
LFD200-5X	Diamond Polishing Film (3µm) 5 Inch diameter
LFD250-5X	Diamond Polishing Film (1µm) 5 Inch diameter
LFD300-5X	Diamond Polishing Film (0.5µm) 5 Inch diameter
LFD100-6x6	Diamond Polishing Film (6µm) — 6 x 6 Inch square
LFD200-6x6D	Diamond Polishing Film (3µm) — 6 x 6 Inch square
LFD250-6x6D	Diamond Polishing Film (1µm) — 6 x 6 Inch square

ORDER CODE example:.

**LFD100-5X**

#### APPLICATION

- Industry standard fiber optic ceramic connectors
- Ceramic ferrules
- Grinding and polishing

#### FEATURES

- Fewer scratches when compared to other grinding films
- Long life
- Mirror-like surface when followed with FOS-01
- Can be used up to 30 times\*

Note:

Depending on polishing process and condition being used.

#### APPLICATION

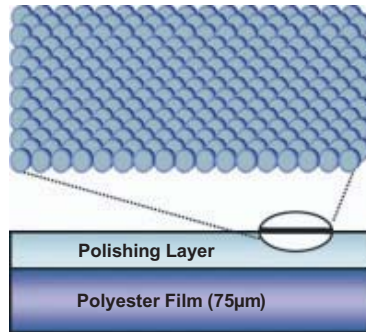
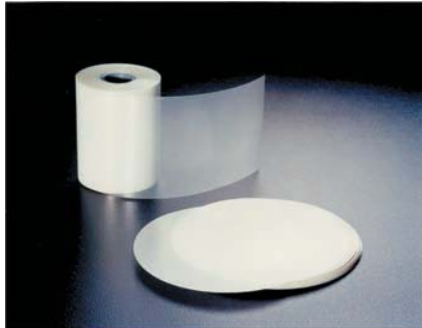
- Industry standard fiber optic ceramic connectors
- Ceramic ferrules
- Grinding and polishing

#### FEATURES

- Fewer scratches when compared to other grinding films
- Long life
- Mirror-like surface when followed with FOS-01
- Can be used up to 10 times

**POLISHING FILMS**

**FOS-01 Final Polish Series**



FOS-01 Series

**APPLICATION**

- Industry standard fiber optic ceramic connectors
- Ceramic ferrules
- UPC final polish

**FEATURES**

- Easy to use
- Clean (slurry-free) work environment
- Simplified polishing process
- Polishes without scratching, ideal for connectors used in high performance applications
- Special binder containing ultra-fine polishing particles <math>< 0.1\mu\text{m}</math> in size
- Excellent uniformity of particle deposition

*Final Polishing Film, FOS-01*

FOS-01 is a highly efficient final polishing film manufactured using an advanced coating technology. This superior polishing film is formulated using ultra-fine particles which are uniformly deposited on a polyester film surface, without irregular height protrusions. FOS-01 is specifically designed for polishing fiber optic connector ferrules used in high performance applications.

• *US. Patented*

SPECIFICATION	FOS-01
Particle Size	<math>< 0.1\mu\text{m}</math>
Coating weight (g/m <sup>2</sup> )	6.0
Film surface roughness (µm)	0.15
Polisher	All SENKO APC Series Polishers
Return loss (dB)	<math>< -55\text{ dB}</math>
Fiber height (nm)	0~50
Radius of curvature (mm)	10~25
Apex offset (µm)	<math>< 50</math>



**POLISHING FILM ORDER CODE: FOS-01 AND LFD SERIES**

PRODUCT NUMBER	DESCRIPTION
LFOS-01-5N	UPC Final Polishing Film, 5 Inch diameter
LFOS-01-6x6	UPC Final Polishing Film — 6 x 6 Inch square

ORDER CODE example:.

**LFOS-01-5N**

