



Fiber Optics Product
Catalogue **2007**

The optical communication technology of the next generation will be of increasing importance and extremely diversified. Seikoh Giken Co., Ltd. uses revolutionary technology that leads the world. Their optical communications Products have received international acclaim in every field.

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PASSIVE DEVICE

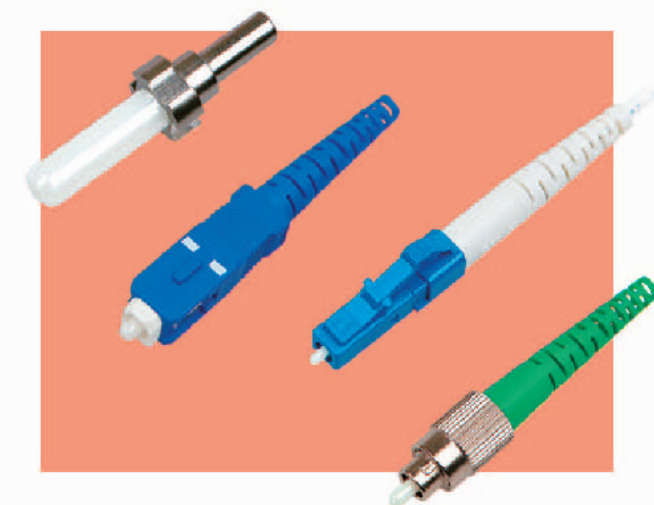
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INTERCONNECT

FERRULE
CONNECTOR
ADAPTOR
JUMPER
MODULE PARTS
LENSED FIBER
FIBER ARREY



[Ferrule for Fiber Optic Connectors]

- High-quality and high-performance zirconia ceramic ferrules are offered through consistent production extending from material molding to machining and inspection
- Using precision injection mold method for highest density and low risk of scratches and pores

ø2.5mm Zirconia Ferrule for Single Mode



SZ-1A

- SZ-1A: The end face shape is FLAT
- SZ-3A: The end face shape is PRE-DOME
- SFZ-3A: The end face shape is PRE-DOME
The inner shape is FUNNEL.

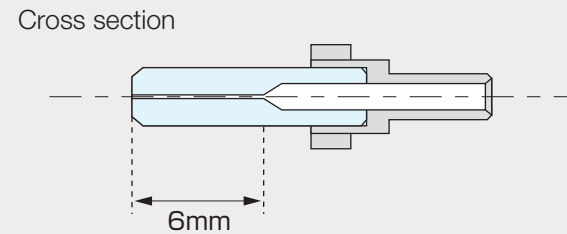
ORDERING INFORMATION

SZ-1A a b c d
 SZ-3A
 SFZ-3A
 Ex.)
 SZ-3A 14 12F 8 0G

a	Flange I.D.	φ1.0mm	14
b	Ferrule I.D.	125μm	125
		125.5μm	12F
		126μm	126
c	Eccentricity	0.5μm or less	8
d		Required	0G

SFZ-3A

- Groove is funnel shape → Smooth fiber insertion
- Bare fiber length is 6mm → Low stress for fiber



ø2.5mm Zirconia Ferrule for Single Mode Angle PC



SGZ-1A (Step)



SNZ-1A (Conical)

- SNZ: Conical shape**
- SNZ-1A: The end face shape is FLAT
 - SNZ-3A: The end face shape is Pre-Angle
- SGZ: Step shape**
- SGZ-1A: The end face shape is FLAT
 - SGZ-3A: The end face shape is Pre-Angle

ORDERING INFORMATION

SNZ-1A a b c d
 SNZ-3A
 SGZ-1A
 SGZ-3A
 Ex.)
 SNZ-1A 14 12F 0 0G

a	Flange I.D.	φ1.0mm	14
b	Ferrule I.D.	125μm	125
		125.5μm	12F
		126μm	126
c	Eccentricity	0.5μm or less	0
d		Required	0G

U.S. Pat. No. 5,140,660

ø1.25mm Zirconia Ferrule for Single Mode



LCZ-2A



MUZ-1A

- MUZ-1A: For MU connector**
- Comply with JIS C5983, IEC61754-6
- LCZ-2A: For LC connector**
- Comply with IEC61754-20

ORDERING INFORMATION

MUZ-1A a b c d
 LCZ-2A
 Ex.)
 MUZ-1A 14 12F 8 00G
 LCZ-2A 14 12F 8 01G

a	Flange I.D.	φ1.0mm	14
b	Ferrule I.D.	125μm	125
		125.5μm	12F
		126μm	126
c	Eccentricity	0.5μm or less	8
d		Required	00G MUZ-1A 01G LCZ-2A

ø1.25mm Zirconia Ferrule for Single Mode Angle PC



LCNZ-1A



MUNZ-1A

- MUNZ-1A: For MU APC connector**
- Conical shape ferrule for Angle PC application
 - Applicable housing is SMU-CN1, SMU-CN2
- LCNZ-1A: For LC APC connector**
- Conical shape ferrule for Angle PC application
 - Applicable housing is SLC-CN1, SLC-CN2

ORDERING INFORMATION

MUNZ-1A a b c d
 LCNZ-1A
 Ex.)
 MUNZ-1A 14 125 0 00G
 LCNZ-1A 14 125 0 01G

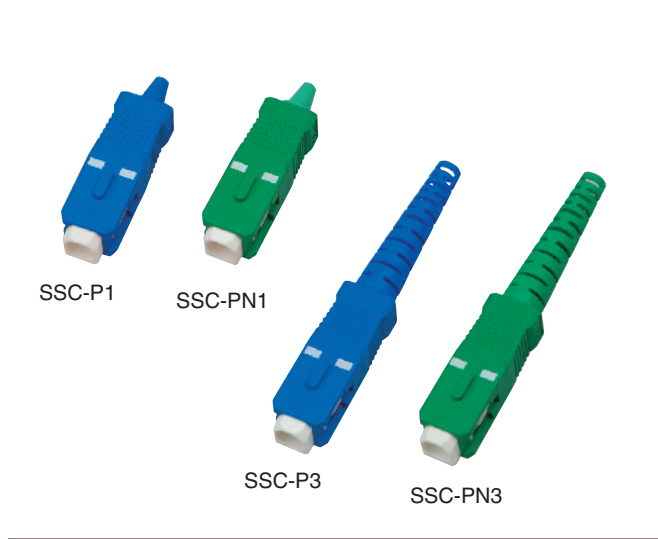
a	Flange I.D.	φ1.0mm	14
b	Ferrule I.D.	125μm	125
		125.5μm	12F
		126μm	126
c	Eccentricity	0.5μm or less	0
d		Required	00G MUNZ-1A 01G LCNZ-2A

[SC Type Fiber Optic Connectors]

- Equivalent to NTT specifications (SC)
- Comply with JIS C 5973 F04 and IEC 61754-04
- Models achieve Telcordia optic connector test specification GR-326-CORE are available
- Models satisfy Vertical Burning Test for Classifying Materials UL94V-0 are available
- Offering useful climping tool
Part number: MDTK-02-120G

SC Housing for $\phi 0.9\text{mm}$ Buffer Cable

SC Housing for $\phi 2\text{mm}/\phi 3\text{mm}$ Cable



- SC $\phi 0.9\text{mm}$
 - Using plastic stop ring offering low cost, light weight and easy assembly
 - Total length of 33mm is optimum for use inside system equipment and devices

	Part number
For PC	SSC-P1511F3151G
For Angle PC	SSC-PN1811G3151G

- SC $\phi 2\text{mm}/\phi 3\text{mm}$
 - Corresponds to Telcordia GR-326-CORE

	Part number
$\phi 2\text{mm}$ for PC	SSC-P25B1F301G
$\phi 2\text{mm}$ with short boot for PC	SSC-P2S5D1F301G
$\phi 2\text{mm}$ for Angle PC	SSC-PN28B1G301G
$\phi 2\text{mm}$ with short boot for Angle PC	SSC-PN2S8D1G301G
$\phi 2.4\text{mm}$ for PC	SSC-P45A1F301G
$\phi 2.4\text{mm}$ for Angle PC	SSC-PN48A1G301G
$\phi 3\text{mm}$ for PC	SSC-P35C1F301G
$\phi 3\text{mm}$ for Angle PC	SSC-PN38C1G301G

SC Plug for PC

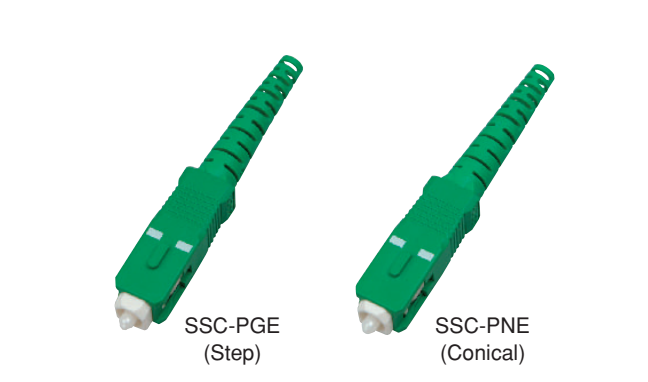


- One-piece design for easy assembly
- Pre-dome Zirconia ferrule enables easy polishing
- Plastic boot corresponds to Telcordia GR-326-CORE

ORDERING INFORMATION
 SSC-PE a b c d e f g
 Ex.) SSC-PE 5 C 125 1 F 3 00G

a	Boot Color	Blue	5
b	Boot I.D.	$\phi 0.9\text{mm}$ (flame-resistant rubber)	1
		$\phi 0.9\text{mm}$ (plastic)	9
		$\phi 2\text{mm}$ (plastic)	B
		$\phi 3\text{mm}$ (plastic)	C
c	Ferrule I.D.	125 μm	125
		126 μm	126
d	Marking of Grip	SG/SSC-P	1
e	Cap	Blue	F
f	Package	Bulk	3
g		Required	00G

SC Plug for Angle PC



- One-piece design for easy assembly
- Pre-angle Zirconia ferrule enables easy polishing
- Plastic boot corresponds to Telcordia GR-326-CORE
- SSC-PNE: Conical shape
- SSC-PGE: Step shape

ORDERING INFORMATION
 SSC-PNE a b c d e f g
 SSC-PGE
 Ex.) SSC-PNE 8 B 125 1 G 3 00G

a	Boot Color	Green	8
b	Boot I.D.	$\phi 0.9\text{mm}$ (flame-resistant rubber)	1
		$\phi 0.9\text{mm}$ (plastic)	9
		$\phi 2\text{mm}$ (plastic)	B
		$\phi 3\text{mm}$ (plastic)	C
c	Ferrule I.D.	125 μm	125
		126 μm	126
d	Marking of Grip	SG/SSC-P	1
e	Cap	Green	G
f	Package	Bulk	3
g		Required	00G

[FC Type Fiber Optic Connectors]

- Equivalent to NTT specification (FC)
- Comply with JIS C 5970 F01 and IEC 61754-13
- Models achieve Telcordia optic connector test specification GR-326-CORE are available
- Models satisfy Vertical Burning Test for Classifying Materials UL94V-0 are available
- Available N-type and R-type key width for Angle PC application

	PC	Unit: mm	
		Wide key (N-type) Angle PC	Narrow key (R-type) Angle PC
Housing plug	2.0 ± 0.15	2.14 +0/-0.05	2.02 +0/-0.05
Adaptor	2.4 ± 0.2	2.15 +0.05/-0	2.03 +0.05/-0

Housing for PC & Angle PC



- Correspond to Telcordia specification GR-326-Core by plastic boot
- Applicable for standard PC and Angle PC (N-type, R-type) by selection of plug frame and boot color
- Possible to use plug frame of R-type for standard PC application
- Possible to use same climping assembly method as SC (Climping tool part number: MDTK-02-120G)
- Satisfies Vertical Burning Test for Classification Materials UL94V-0 (excluding cap)
- SAP-3: for $\phi 2, \phi 2.4, \phi 3\text{mm}$
- SAP-6: for $\phi 0.9\text{mm}$

ORDERING INFORMATION
 SAP-3 a b c d e f g
 SAP-6
 Ex.) SAP-3 1 7 7 A 0 D 0G

a	Boot Color	Black	1
b	Boot I.D.	Green	8
		$\phi 0.9\text{mm}$ (flame-resistant rubber)	8
		$\phi 2\text{mm}$ (plastic)	6
		$\phi 3\text{mm}$ (plastic)	7
		$\phi 2.4\text{mm}$ (plastic)	A
c	Marking of Boot	SG (SAP-3)	1
		No Marking (SAP-6)	0
d	Cap	Black Ferrule Cap	A
		Green Ferrule Cap	B
e	Package	Bulk	0
f	Keying width	N-type	D
		R-type	K
g		Required	0G

FC Housing for $\phi 0.9\text{mm}$ Buffer Cable



SAP-4

- Total length of 24 mm is optimum for use inside system equipment and devices
- Models Satisfy Vertical Burning Test for Classifying Materials UL94V-0 are available
- Widely used for LD/PD modules

ORDERING INFORMATION

SAP-4 a b c d e f
 Ex.) SAP-4 1 1 0 3 1 00G

a	Boot Color	Black	1
b	Boot I.D.	$\phi 0.9\text{mm}$ (Rubber)	1
		$\phi 0.9\text{mm}$ (Flame-resistant rubber)	8
c	Marking of Boot	No Marking	0
d	Cap	White (Plastic)	3
		Black Ferrule Cap	A
e	Package	Bulk	1
f	Required		00G

FC Housing for $\phi 2\text{mm}/\phi 3\text{mm}$ Cable



SAP-1

- Equivalent to NTT specifications (FC-P)

ORDERING INFORMATION

SAP-1 a b c d e
 Ex.) SAP-1 1 30 1 1 00G

a	Boot Color	Black	1
b	Boot I.D.	$\phi 2\text{mm}$ (Rubber) No Marking	20
		$\phi 3\text{mm}$ (Rubber) No Marking	30
c	Cap	Black (PVC)	1
		Black (Rubber) with strings	2
		White (Plastic)	3
		Black Ferrule cap	A
d	Package	Bulk	1
e	Required		00G

FC Housing for Angle PC



SNP-2

SNP-5

- Housing designed for Angle PC application
- Total length of 24mm is optimum for use inside system equipment and devices (SNP-5)
- Two types of key width available N-type and R-type
- SNP-2: for $\phi 2, \phi 3\text{mm}$
- SNP-5: for $\phi 0.9\text{mm}$

ORDERING INFORMATION

SNP-2 a b c d e f g
 SNP-5
 Ex.) SNP-2 8 3 0 8 1 D 1G

a	Boot Color	Green	8
b	Boot I.D.	$\phi 0.9\text{mm}$ (Rubber)	1
		$\phi 0.9\text{mm}$ (Flame-resistant rubber)	8
		$\phi 2\text{mm}$ (Rubber)	2
		$\phi 3\text{mm}$ (Rubber)	3
c	Marking of Boot	No Marking	0
d	Cap	Green (PVC)	8
		Green Ferrule Cap	B
		White (Plastic)	3
e	Package	Bulk	0
		Pre-assy	1
f	Keying width	N-type	D
		R-type	K
g	Required		1G

FC Housing with 360° variable tuning



SGP-4

SGP-N4

SGP-3

SGP-N3

- 360° variable tuning
- Uses same climping assembly method as SC (Climping tool part number: MDTK-02-120G)
- Satisfies Vertical Burning Test for Classification Materials UL94V-0
- Standard Key width for Angle PC Housing is R-type
- N-type is also available (Custom)

U.S. Pat. No. 4,747,659

	Part number
$\phi 0.9\text{mm}$ for PC (Flame-resistant rubber)	SGP-418011K0G
$\phi 0.9\text{mm}$ for Angle PC (Flame-resistant rubber)	SGP-N488081K0G
$\phi 2\text{mm}$ for PC	SGP-356011K0G
$\phi 2\text{mm}$ with short boot for PC	SGP-3S5D011K0G
$\phi 3\text{mm}$ for PC	SGP-357011K0G
$\phi 2\text{mm}$ for Angle PC	SGP-N386081K0G
$\phi 2\text{mm}$ with short boot for Angle PC	SGP-N3S8D081K0G
$\phi 3\text{mm}$ for Angle PC	SGP-N387081K0G

FC Plug for PC



SAP-8

- One-piece design for easy assembly
- Pre-dome Zirconia ferrule enables easy polishing
- Plastic boot complies to Telcordia GR-326-CORE
- Uses same climping assembly method as SC (Climping tool part number: MDTK-02-120G)

ORDERING INFORMATION

SAP-8 **a** **b** **c** **d** **e** **f** **g**
 Ex.) SAP-8 1 3 125 1 1 3D 0G

a	Boot Color	Black	1
b	Boot I.D.	φ0.9mm (Flame-resistant rubber)	1
		φ0.9mm (Plastic)	9
		φ3mm (Plastic)	3
c	Ferrule I.D.	125μm	125
		126μm	126
d	Marking of Boot	No Marking-φ0.9 (Flame-resistant rubber)	0
		SG-φ0.9~3 (Plastic)	1
e	Cap	Black (PVC)	1
		Black Ferrule Cap	A
f	Package	Bulk	3D
g		Required	0G

FC Plug for Angle PC



SGP-8 (Step)



SNP-8 (Conical)

- One-piece design for easy assembly
- Pre-angle Zirconia (step shape or conical shape) enables easy polishing
- Plastic boot complies to Telcordia GR-326-CORE
- Uses same climping assembly method as SC (Climping tool part number: MDTK-02-120G)
- Two types of key width available
N-type and R-type

ORDERING INFORMATION

SNP-8 **a** **b** **c** **d** **e** **f** **g** **h**
 SGP-8
 Ex.) SNP-8 8 3 125 1 8 3 D 1G

a	Boot Color	Green	8
b	Boot I.D.	φ0.9mm (Flame-resistant rubber)	1
		φ0.9mm (Plastic)	9
		φ3mm (Plastic)	7
c	Ferrule I.D.	125μm	125
		126μm	126
d	Marking of Boot	No Marking-φ0.9 (Flame-resistant rubber)	0
		SG-φ0.9~3 (Plastic)	1
e	Cap	Green (PVC)	8
		Green Ferrule Cap	B
f	Package	Bulk	3
g	Keying width	N-type	D
		R-type	K
h		Required	1G

[ST™ Intermateable Fiber Optic Connectors]

- Intermateable with OFS ST' connector
- Easy connection with bayonet
- Applicable to LAN systems and equipment
- Use special climping tool
Part number: MDTK-02-110G

ST™ Plug for PC



SLP-1

- SLP-1: for Single-mode
- SLP-2: for Multi-mode

ORDERING INFORMATION

SLP-1 **a** **b** **c** **d** **e** **f** **g**
 SLP-2
 Ex.) SLP-2 4 0 127 1 0 3 00G

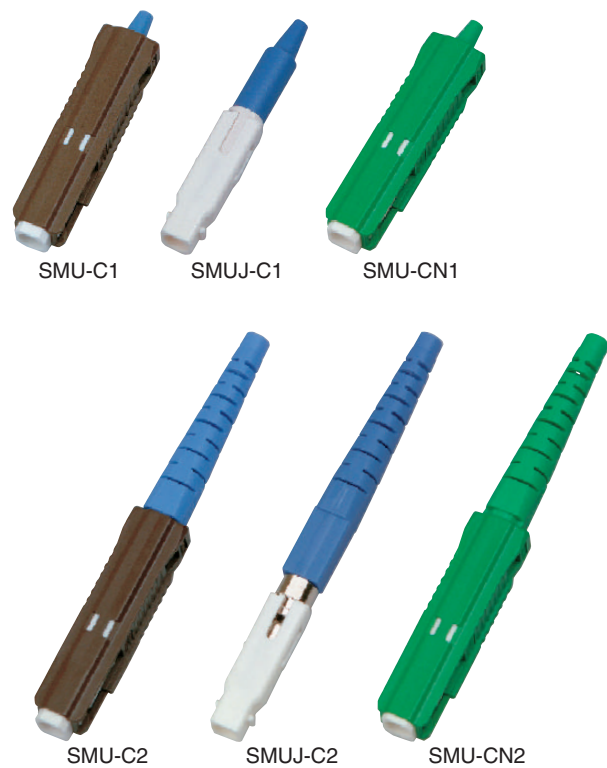
a	Ferrule Type	Flat (SLP-1)	2
		Pre-dome (SLP-1)	8
		Flat (SLP-2)	4
b	Boot I.D.	φ3mm	0
		φ0.9mm	1
		φ3mm+φ0.9mm	2
c	Ferrule I.D.	125μm (SLP-1)	125
		126μm (SLP-1)	126
		127μm (SLP-2)	127
d	Boot Color	Black	1
e	Marking of Body	SG	0
f	Package	Bulk	3
g		Required	00G

[MU type Fiber Optic Connectors]

- Comply with JIS C 5983 F14 and IEC61754-6
- Models achieve Telcordia optic connector test specification GR-326-CORE are also available
- Satisfies Vertical Burning Test for Classifying Materials UL94V-0 (excluding cap)
- Unique design for improved ease of assembly while maintaining high performance
- Pass MU connector intermateability test by NTT-AT
- Offering useful clamping tool
Part number: MDTK-02-130G

MU Housing for PC

MU Housing for Angle PC



■MU Housing for PC

- Total length of 28mm is optimum for use inside system equipment and devices (SMU-C1)
- Using plastic stop ring offering low cost, light weight and easy assembly (SMU-C1)
- Use of heat-shrink tube with adhesive for compatibility with $\phi 1.5\sim 2\text{mm}$ cables (SMU-C2)
- Connect to MU Package Housing and our FA140 series high density MU plug attenuators (SMUJ-C1, SMUJ-C2)
- SMU-C1: for $\phi 0.9\text{mm}$
- SMU-C2: for $\phi 1.5\sim 2\text{mm}$
- SMUJ-C1: for $\phi 0.9\text{mm}$ Jack Housing
- SMUJ-C2: for $\phi 1.5\sim 2\text{mm}$ Jack Housing

	Part number
$\phi 0.9\text{mm}$	SMU-C1910C300G
$\phi 1.5\sim 2\text{mm}$	SMU-C2920C300G
$\phi 0.9\text{mm}$ Jack Housing	SMUJ-C191C300G
$\phi 1.5\sim 2\text{mm}$ Jack Housing	SMUJ-C292C300G

■MU Housing for Angle PC

- Total length of 28mm is optimum for use inside system equipment and devices (SMU-CN1)
- Using plastic stop ring offering low cost, light weight and easy assembly (SMU-CN1)
- Use of heat-shrink tube with adhesive for compatibility with $\phi 1.5\sim 2\text{mm}$ cables (SMU-CN2)
- SMU-CN1: for $\phi 0.9\text{mm}$
- SMU-CN2: for $\phi 1.5\sim \phi 2.0\text{mm}$

	Part number
$\phi 0.9\text{mm}$	SMU-CN1810C300G
$\phi 1.5\sim 2\text{mm}$	SMU-CN2820C300G

MU Plug for PC



- One-piece design with Zirconia MU ferrule for easy assembly
- Connector series equipped with core adjust capability
- Use of heat-shrink tube with adhesive for compatibility with $\phi 1.5\sim \phi 2\text{mm}$ cables ($\phi 2\text{mm}$)
- Total length of 28mm is optimum for use inside system equipment and devices ($\phi 0.9\text{mm}$)

ORDERING INFORMATION

SMU-P	a	b	c	d	e	f	g
Ex.) SMU-P	9	1	125	1	C	3	00G

a	Boot Color	Lavender	9
b	Boot I.D.	$\phi 0.9\text{mm}$	1
		$\phi 2\text{mm}$	2
c	Ferrule I.D.	$125\mu\text{m}$	125
		$125.5\mu\text{m}$	12F
		$126\mu\text{m}$	126
d	Marking of Grip	SG/SMU-P	1
e	Cap	White frame cap	C
f	Package	Bulk	3
g	Required		00G

MU Plug for Angle PC



- One-piece design with Zirconia MU ferrule for easy assembly
- Connector series equipped with core adjust capability
- Use of heat-shrink tube with adhesive for compatibility with $\phi 1.5\sim \phi 2\text{mm}$ cables ($\phi 2\text{mm}$)
- Total length of 28mm is optimum for use inside system equipment and devices ($\phi 0.9\text{mm}$)

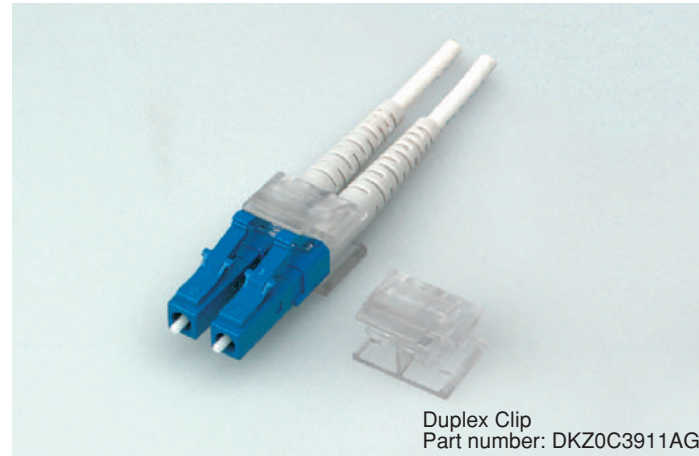
ORDERING INFORMATION

SMU-PN	a	b	c	d	e	f	g
Ex.) SMU-PN	8	1	125	1	E	3	00G

a	Boot Color	Green	8
b	Boot I.D.	$\phi 0.9\text{mm}$	1
		$\phi 2\text{mm}$	2
c	Ferrule I.D.	$125\mu\text{m}$	125
		$125.5\mu\text{m}$	12F
		$126\mu\text{m}$	126
d	Marking of Grip	SG/SMU-P	1
e	Cap	Green frame cap	E
f	Package	Bulk	3
g	Required		00G

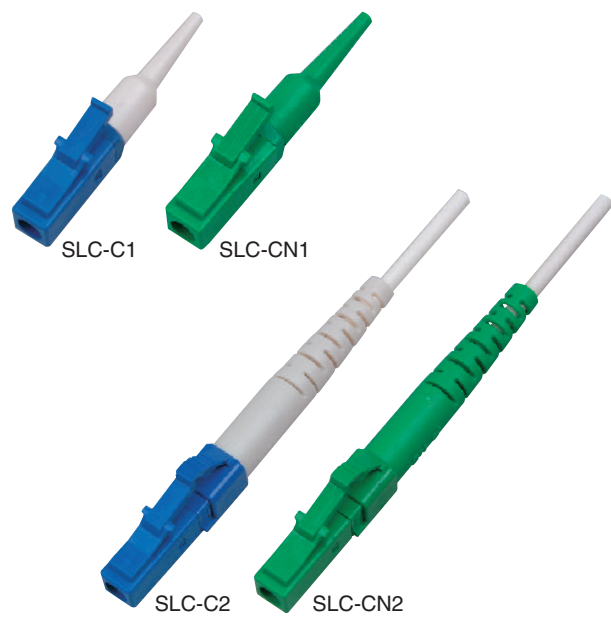
[LC Type Fiber Optic Connectors]

- Comply with IEC61754-20, TIA/EIA-604-10-A
- Models achieve Telcordia optic connector test specification GR-326-CORE are also available
- Satisfies Vertical Burning Test for Classifying Materials UL94V-0
- Unique design for improved ease of assembly while maintaining high performance
- Can be Duplex connector (6.25mm pitch) from Simplex ϕ 2.0mm code connector by Clip
- Offering useful climping tool
Part number: MDTK-02-140G



LC Housing for PC

LC Housing for Angle PC



■ LC Housing for PC

- SLC-C1: for ϕ 0.9mm
- SLC-C2: for ϕ 1.6~ ϕ 2.0mm

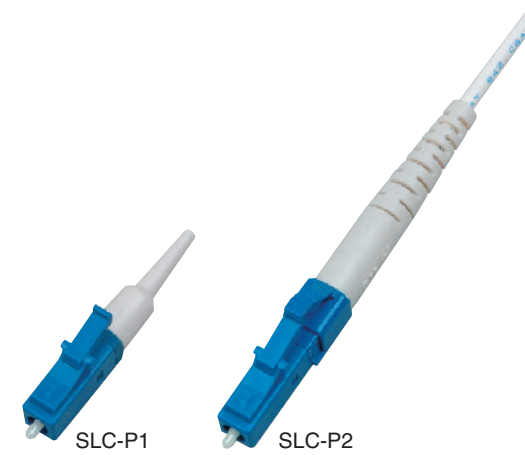
	Part number
ϕ 0.9mm	SLC-C1310C301G
ϕ 1.6~2.0mm	SLC-C2320C301G

■ LC Housing for Angle PC

- SLC-CN1: for ϕ 0.9mm
- SLC-CN2: for ϕ 1.6~ ϕ 2.0mm

	Part number
ϕ 0.9mm	SLC-CN1810C301G
ϕ 1.6~2.0mm	SLC-CN2820C301G

LC Plug for PC



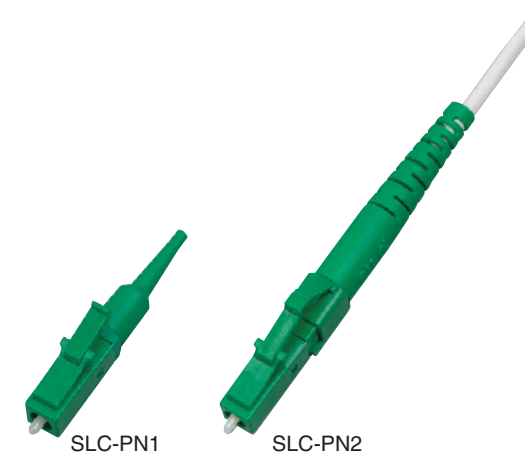
- One-piece design with Zirconia LC ferrule for easy assembly
- Connector series equipped with core adjust capability
- Use of heat-shrink tube for compatibility with ϕ 1.5~2mm cables (SLC-P2)
- SLC-P1: for ϕ 0.9mm
- SLC-P2: for ϕ 1.6~ ϕ 2mm

ORDERING INFORMATION

SLC-P1	a	b	c	d	e	f	g
SLC-P2							
Ex.) SLC-P1	3	1	125	1	C	3	02G

a	Boot Color	White (SLC-P2)	3
		Light gray (SLC-P1)	
b	Boot I.D.	ϕ 0.9mm	1
		ϕ 2.0mm	2
c	Ferrule I.D.	125 μ m	125
		125.5 μ m	12F
		126 μ m	126
d	Marking of Boot	SG	1
e	Cap	White frame cap	C
f	Package	Bulk	3
g	Required		02G

LC Plug for Angle PC



- One-piece design with Zirconia LC ferrule for easy assembly
- Connector series equipped with core adjust capability
- Use of heat-shrink tube for compatibility with ϕ 1.5~2mm cables (SLC-PN2)
- SLC-PN1: for ϕ 0.9mm
- SLC-PN2: for ϕ 1.6~ ϕ 2mm

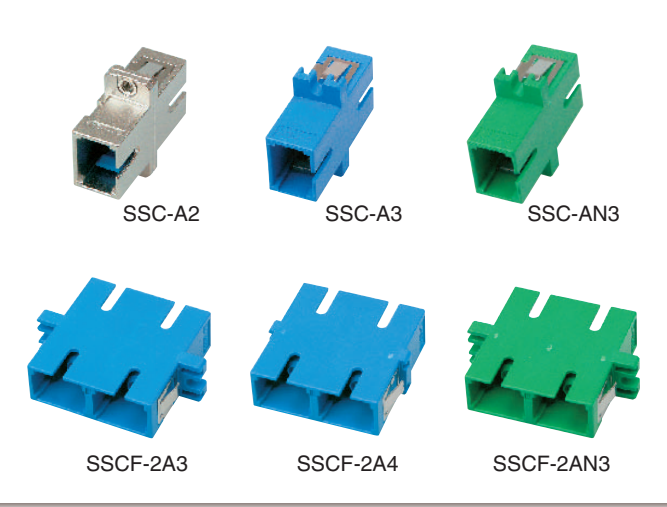
ORDERING INFORMATION

SLC-PN1	a	b	c	d	e	f	g
SLC-PN2							
Ex.) SLC-PN1	8	1	125	1	C	3	01G

a	Boot Color	Green	8
b	Boot I.D.	ϕ 0.9mm	1
		ϕ 2.0mm	2
c	Ferrule I.D.	125 μ m	125
		125.5 μ m	12F
		126 μ m	126
d	Marking of Boot	SG	1
e	Cap	White frame cap	C
f	Package	Bulk	3
g	Required		01G

[Adaptor]

SC Adaptor



- Comply with JIS C5973 F04 and IEC61754-4
- Integrated solid body design for significant improvement in strength and durability over conventionally designed products (excluding SSC-A2, SSC-AN2)
- Precision Zirconia split sleeve

	Part number
Simplex for PC	SSC-A322701G
Simplex for PC (Metal)	SSC-A222A01G
Simplex for Angle PC	SSC-AN322701G
Simplex for Angle PC (Metal)	SSC-AN222B00G
Duplex for PC	SSCF-2A322700G
Duplex for Angle PC	SSCF-2AN322700G
Duplex short flange for PC	SSCF-2A422700G
Duplex short flange for Angle PC	SSCF-2AN422700G

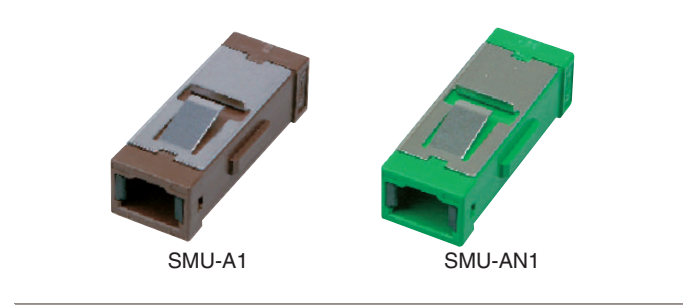
FC Adaptor



- Comply with JIS C5970 F01 and IEC 61754-13
- Precision Zirconia split sleeve

	Part number
Standard for PC	SAA-422200G
Standard for Angle PC (N-type)	SNA-1224D0G
Standard for Angle PC (R-type)	SNA-1224K0G
Without flange for PC (D-hole type)	SAA-322200G
Without flange for Angle PC (D-hole N-type)	SNA-3224D0G
Without flange for Angle PC (D-hole R-type)	SNA-3224K0G
Oval flange for PC	SAA-621A00G
Oval flange for Angle PC (R-type)	SNA-621BK0G
Without flange for PC	SAA-521A00G
Without flange for PC (D-hole with knurl)	SAA-721A00G

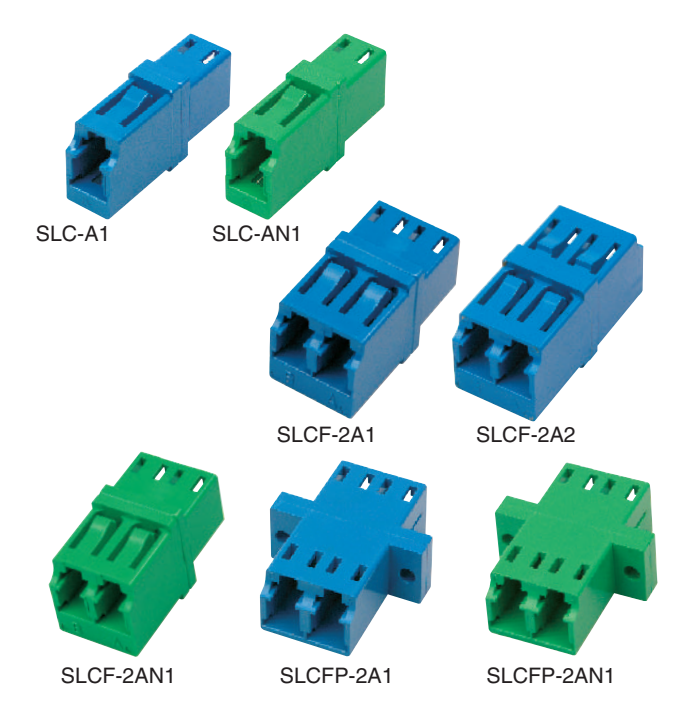
MU Adaptor



- Comply with JIS C5983 F14 and IEC 61754-6
- Integrated solid body design for significant improvement in strength and durability over conventionally designed products
- Precision Zirconia slit sleeve

	Part number
PC	SMU-A1221100G
Angle PC	SMU-AN1221100G

LC Adaptor



- Comply with IEC 61754-20 and TIA/EIA-604-10-A
- Precision Zirconia slit sleeve

	Part number
Simplex for PC	SLC-A121100G
Simplex for Angle PC	SLC-AN121100G
Duplex for PC	SLCF-2A221100G
Duplex Low Profile for PC	SLCF-2A121100G
Duplex Low Profile for Angle PC	SLCF-2AN121100G
Duplex SC Footprint for PC	SLCFP-2A121100G
Duplex SC Footprint for Angle PC	SLCFP-2AN121100G

Conversion Adaptor



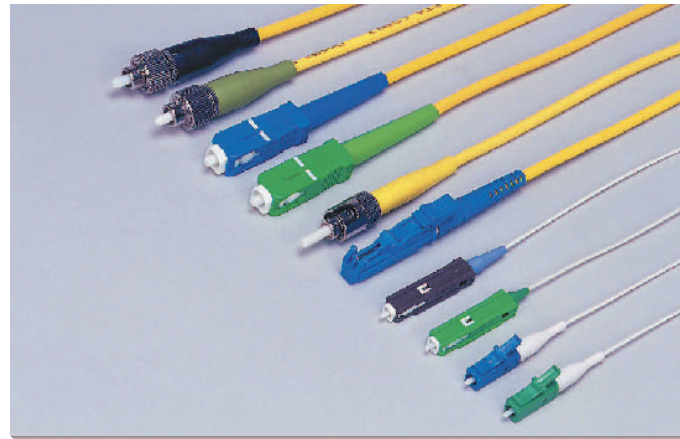
- Precision Zirconia slit sleeve

	Part number
FC/SC	SSC-FC-A122A01G
SC/ST	SSC-ST-A122900G
FC/ST	SAA-ST-A122A00G
FC/SC Angle PC (R-type)	SSC-FC-AN122BK0G

[JUMPER CABLE]

- Our precision optical cable manufacturing services can provide a wide range of standard and custom cables to meet a wide range of requirements
 - Specialty cables, master reference and tune adjust cables available
 - All cables tested, serialized, labeled in individual bags with complete test information
 - Production facility meets the strictest quality controls under ISO9001 and connector components meet or exceed industry standard performance levels
- U.S. Pat. No. 5,688,905

STANDARD JUMPER



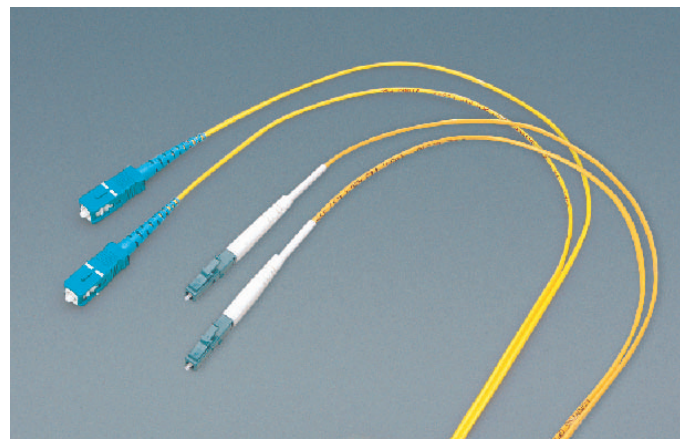
ORDERING INFORMATION
SM, ø2.0mm, SC/PC-SC/PC, 6m length

Part number **a** - **b** - **c** - **d**

Ex.) JJ - SSCP2 - W - 6

a	JUMPER TYPE	JUMPER	JJ
		PIGTAIL	JP
		MASTER JUMPER	MJ
		MASTER PIGTAIL	MP
		2 WAY JUMPER	JJD
		2 WAY PIGTAIL	JPD
b	CONNECTOR TYPE	SEE TABLE 1	
c	FIBER TYPE	SINGLE-MODE	W
		MULTI-MODE (50/125µm)	M1
		MULTI-MODE (62.5/125µm)	M2
		DSF	D
d	LENGTH	5m	5
		10m	10

HYBRID JUMPER



ORDERING INFORMATION
Duplex SM, ø2.0mm, SC/PC-LC/AP, 6m length

Part number **a** - **b** / **c** - **d** - **e**

Ex.) JJD - SSCP2 / SLCPN2 - W - 6

a	JUMPER TYPE	JUMPER	JJ
		MASTER JUMPER	MJ
		2 WAY JUMPER	JJD
b/c	CONNECTOR TYPE	SEE TABLE 1	
d	FIBER TYPE	SINGLE-MODE	W
		MULTI-MODE (50/125µm)	M1
		MULTI-MODE (62.5/125µm)	M2
		DSF	D
e	LENGTH	5m	5
		10m	10

Table 1. CONNECTOR TYPE

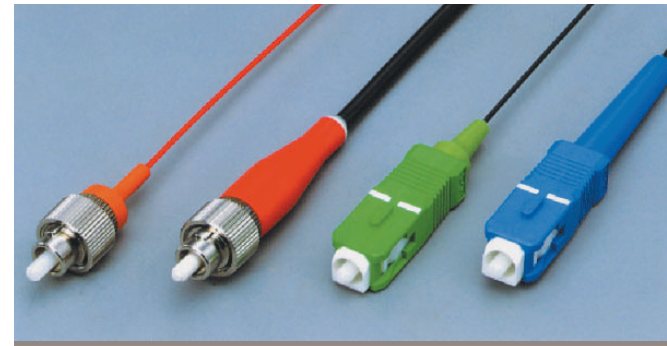
	Type	φ1	φ2	φ3
PC RL ≥ 50dB	FC	SAP4	SAP1	SAP1
	SC	SSCP1	SSCP2	SSCP3
	ST	SLP1	—	SLP1
	MU	SMUC1	SMUC2	—
	LC	SLCC1	SLCC2	—
Angle PC RL ≥ 60dB	FC Narrow key (R)	SNP5K	SNP2K	SNP2K
	FC Wide key (N)	SNP5D	SNP2D	SNP2D
	SC (step)	SSCPG1	SSCPG2	SSCPG3
	SC (conical)	SSCPN1	SSCPN2	SSCPN3
	MU	SMUCN1	SMUCN2	—
	LC	SLCPN1	SLCPN2	—

Option

- Available custom designed Jumper Cable
- AR coating, Fiber Metallization
- FC/Angle PC connector ferrule combination
 - Narrow key (R) ... Step ferrule
 - Wide key (N) ... Conical ferrule

PM JUMPER

PM HYBRID JUMPER



PM JUMPER

ORDERING INFORMATION
SC/PC-SC/PC, Key=Free, 1310mm
ø2.0mm, 6m length

Part number **a** - **b** - **c** - **d** - **e**

Ex.) PJ - PC12B - F - 13 - 6

a	NUMBER OF CONNECTOR	PM JUMPER	PJ
		PM PIGTAIL	PP
b	CONNECTOR TYPE	SEE TABLE 2	
c	AXIS (SEE TABLE 3)	FREE (FC)	F
		X (FAST)	X
		Y (SLOW)	Y
		O (OTHER)	O
d	WAVELENGTH	1310nm	13
		1550nm	15
e	LENGTH	10m	10

PM HYBRID JUMPER

ORDERING INFORMATION
SC/PC-FC/APC, Key=X, 1550mm,
ø2.0mm, 8m length

Part number **a** - **b** - **c** / **d** - **e** - **f** - **g**

Ex.) PJ - PC12B - X / PF12C - X - 15 - 8

a	NUMBER OF CONNECTOR	PM JUMPER	PJ
b	CONNECTOR TYPE	SEE TABLE 2	
c	AXIS (SEE TABLE 3)	FREE (FC)	F
		X (FAST)	X
		Y (SLOW)	Y
		O (OTHER)	O
d	CONNECTOR TYPE	SEE TABLE 2	
e	AXIS (SEE TABLE 3)	FREE (FC)	F
		X (FAST)	X
		Y (SLOW)	Y
		O (OTHER)	O
f	WAVELENGTH	1310nm	13
		1550nm	15
g	LENGTH	10m	10

Table 2. CONNECTOR TYPE

	Type	φ1	φ2
PC RL ≥ 50dB	FC	PF11	PF12B
	SC	PC11	PC12B
	MU	PU11	—
	LC	PL11	—
Angle PC RL ≥ 60dB	FC Narrow key (R)	PF11A	PF12C
	FC Wide key (N)	PF11AN	PF12CN
	SC	PC11A	PC12C

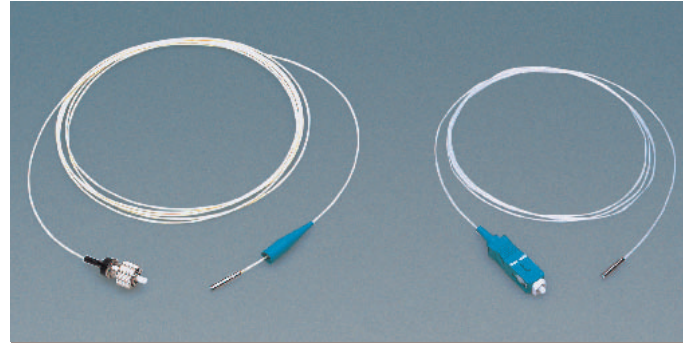
Table 3. POLARIZATION AXIS

Polarization	F (Free)	X (Fast)	Y (Slow)	O (Other)
Direction of the stress producing members against the key				
	The stress producing members are free to the key. (the key is not fixed)	The stress producing members are horizontal to the key : 0° ± 3°	The stress producing members are perpendicular to the key : 0° ± 3°	The stress producing members are at the designate angle to the key

[OPTICAL MODULE PARTS & FIBER ASSEMBLY]

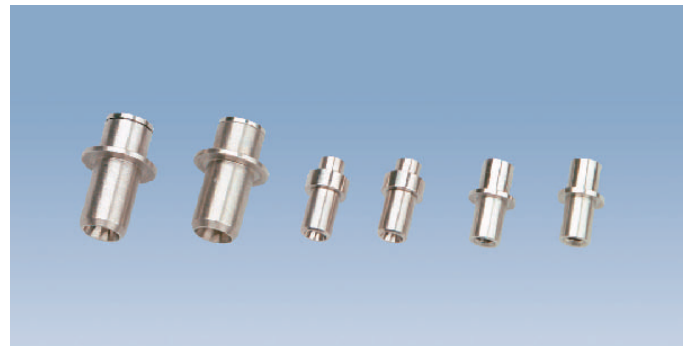
- Available customized design for each module

OPTICAL MODULE PIGTAIL



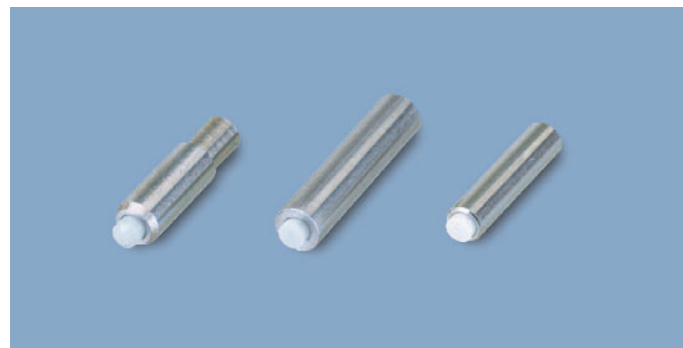
- AR coating
- Fiber metallization
- Specialty fiber
- PANDA fiber
- Various connectorization

OSA for TOSA and ROSA



- For SC and LC
- XMD, Wiggle

CUSTOM FERRULE



- SUS304
- KOVAR
- Zr capillary
- Glass capillary

FIBER STUB Zr FERRULE

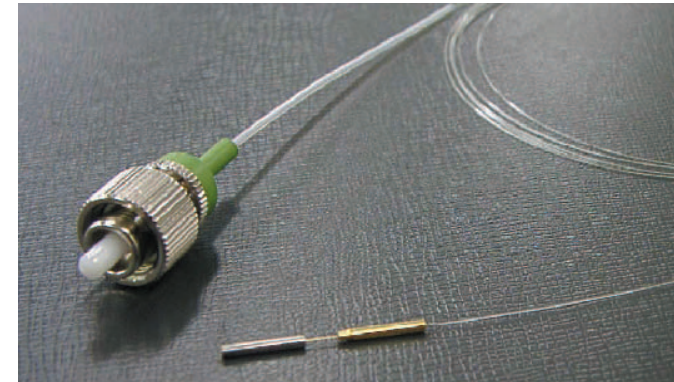


- For SC and LC
- Short length
- AR coating

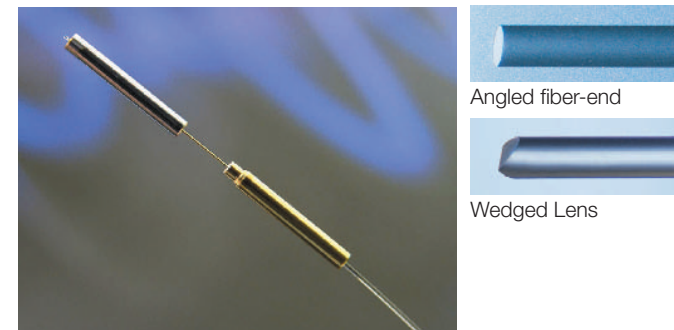
[LENSED FIBER ASSEMBLY]

Application:

- Perfect for coupling fiber to LD's and PD's for various applications such as DFB Lasers, Pump Lasers or Receivers. Our high quality specialty pigtailed will improve coupling efficiency, increase product performance, and save you costs
- We offer the total solution for photonic packaging with our completed fiber to the chip assemblies



FC/APC Wedged Fiber Assembly For 980nm LD Coupling



Welding and hermetic ferrules

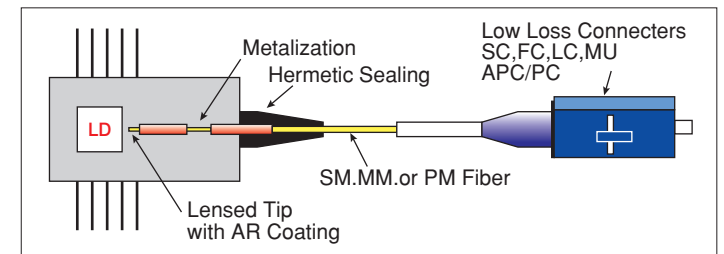
Key Feature:

- High precision fiber-end shaping
- Multiple lens shapes available for any application
- High quality AR coating for various wavelengths
- Kovar ferrules for welding and hermetic sealing
- Low Insertion Loss terminations
- Ni/Au Metallization for exceptional solderability

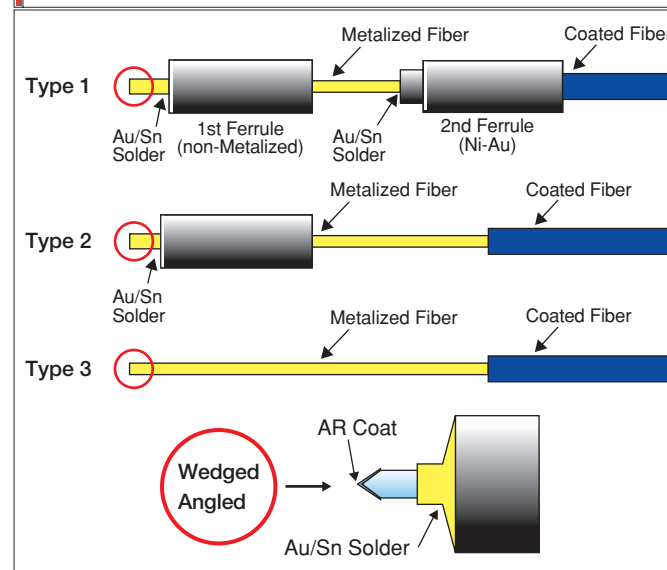
Options

Fiber to the Chip Assemblies May Include:

- Fiber end-shaping
- AR coating
- Bare fiber metallization
- Hermetic and Welding ferrules
- Low loss connector
- Singlemode, Multimode, and Polarization Maintaining Fiber



BASIC CONFIGURATION



AR Coating :

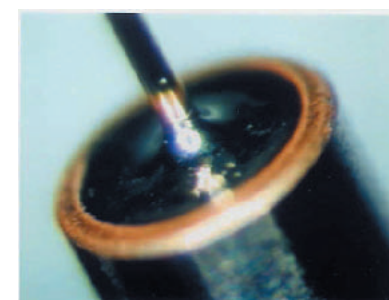
- Ion assisted deposition
- Low reflection
- Reflection ratio less than 0.3%, typically 0.1%
- High environmental stability
- Various wavelengths available 980nm, 1310nm, 1480nm, 1550nm
- Single or broadband available

Metalization :

- Sputtering or plating process
- Ni based Au plating or sputtering
- High level of hermeticity and pull strength

SPECIFICATIONS

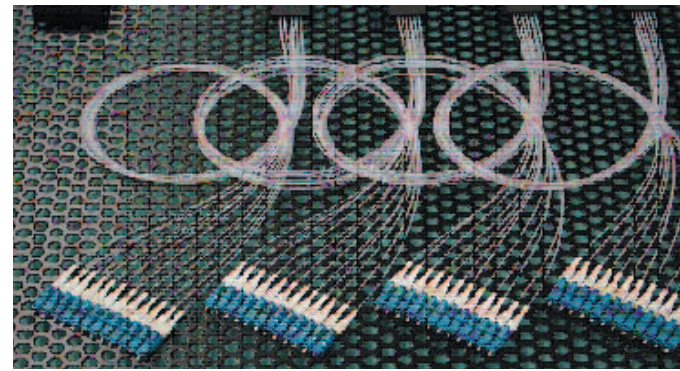
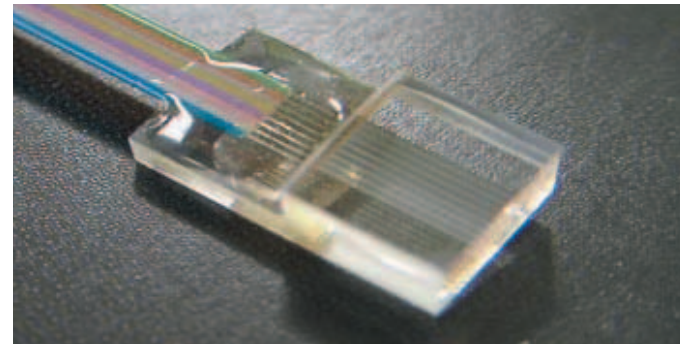
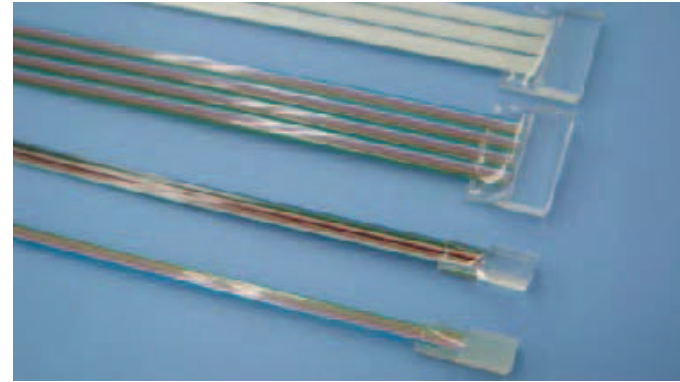
Fiber Tip Shape	Wedge	Angle
Fiber Type	SMF28, HI1060, PANDA, MMF	
Fiber Buffer O.D.	250µm, 900µm	
Taper Angle	90 deg	0, 8, 45 deg
Lens Radius	3-10µm	N/A
Metalization	Ni / Au	
Soldering & Hermeticity	Au/Sn ≤1x10-10 Pa·m/sec ≤1x10-9 atm·cc/sec	
AR Coating	980, 1310, 1480, 1550± 20nm Available broadband coating Reflection Ratio ≤ 0.3%	



Soldering

[FIBER ARRAY]

- Features
- A fiber array is an essential component used in the WDM systems to connect optical fiber and AWG chips
 - Our precision processing technology, which we have developed for years, provides high fidelity, quality and core pitch accuracy in products
 - High quality Seikoh-Giken connectors are to be used at the end of fibers



- High precision core pitch accuracy
- High reliability

ORDERING INFORMATION

Ex.1 8ch., 250μm pitch, Pyrex, 90-degree polishing,
8ch taped fiber, 2m length

SFA a b c d e f
Ex.) SFA F 08 F F 20 P

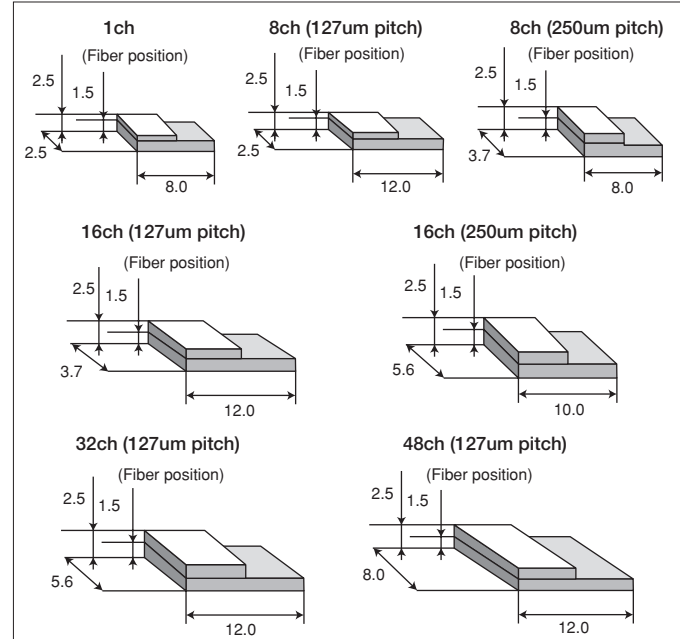
Ex.2 48ch., 127μm pitch, Silica glass, 82-degree polishing,
12ch taped fiber, x 4pcs, 2m length

SFA a b c d e f
Ex.) SFA H 48 T R 20 S

a	PITCH	250μm	F
		127μm	H
		1 ch.	N
b	CHANNEL	1 ch.	01
		8 ch.	08
		16 ch.	16
		32 ch.	32
		48 ch.	48
c	FIBER TYPE	ø0.25 UV	S
		4 ch. taped fiber	E
		8 ch. taped fiber	F
		12 ch. taped fiber	T
		SMF-28	B
d	POLISHING ANGLE	90 degree	F
		98 degree	A
		82 degree	R
e	LENGTH	2.0m (standard)	20
f	MATERIAL	Pyrex Glass	P
		Silica Glass	S

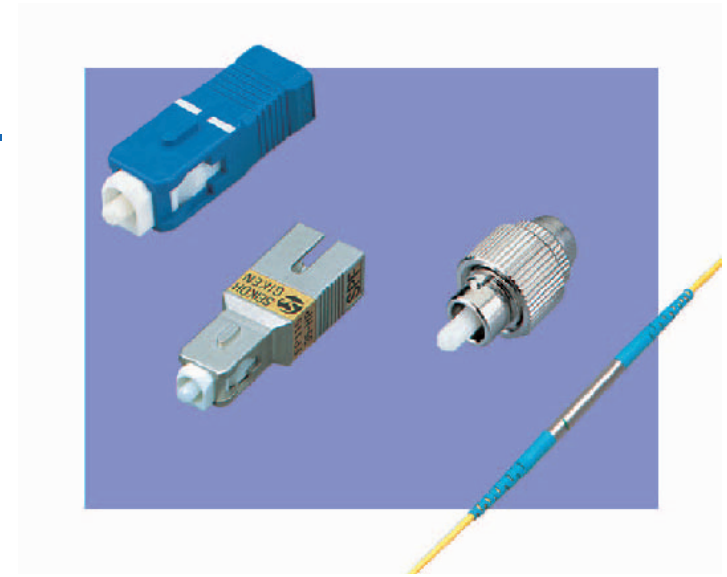
SPECIFICATION

Materials	Pyrex Glass (CTE : 3.25 X 10-6) Silica Glass (CTE : 5.0 X 10-7)
Channel	1, 8, 16, 32, 48ch (other channel available)
Pitch	127, 250 μm
Pitch Accuracy	± 0.5 μm
Fiber	SMF28e, Taped fiber (4, 8, 12)
Polishing Angle	90, 98, 82 degree



PASSIVE DEVICE

- ATTENUATOR
- FILTER
- TERMINATOR

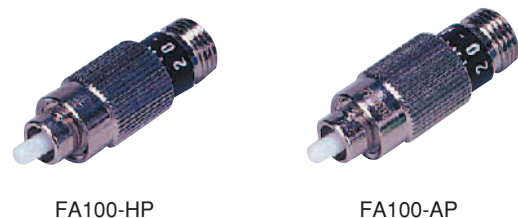


[PLUG TYPE FIXED ATTENUATOR]

- Available in FC, SC, LC, ST and MU plug type. They are suitable for connection through panel-mounted adapters.
- Precision polished endface are available in either PC or Angle PC types.
- Standard wavelength is 1310/1550nm and also C/L band or any other custom specification is available.

U.S. Pat. No. 5,321,790 / 5,136,681 / 5,066,094

FA100 series (FC plug type)



- Key for APC is narrow type.

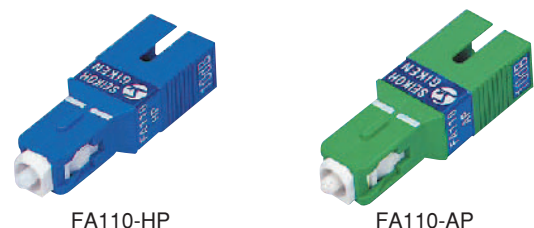
ORDERING INFORMATION

FA100 - a - b

Ex.) FA100 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP
		PC polishing / High grade	HP5
		Angle PC polishing / Standard	AP
		Angle PC polishing / High grade	AP5

FA110 series (SC plug type / plastic housing)



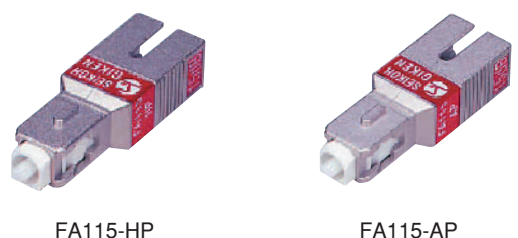
ORDERING INFORMATION

FA110 - a - b

Ex.) FA110 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP
		PC polishing / High grade	HP5
		Angle PC polishing / Standard	AP
		Angle PC polishing / High grade	AP5

FA115 series (SC plug type / metal housing)



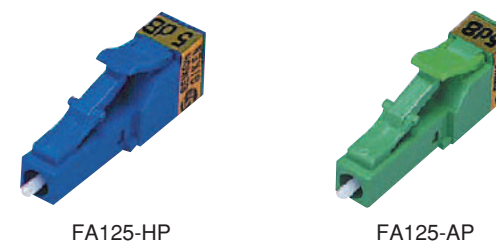
ORDERING INFORMATION

FA115 - a - b

Ex.) FA115 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP
		PC polishing / High grade	HP5
		Angle PC polishing / Standard	AP
		Angle PC polishing / High grade	AP5

FA125 series (LC plug type)



- 6.25mm of high-density mounting space

ORDERING INFORMATION

FA125 - a - b

Ex.) FA125 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP
		PC polishing / High grade	HP5
		Angle PC polishing / Standard	AP
		Angle PC polishing / High grade	AP5

FA130 series (ST plug type)



ORDERING INFORMATION

FA130 - a - b

Ex.) FA130 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP
		PC polishing / High grade	HP5

FA140 series (MU plug type)



- 4.5mm of high-density mounting space
- Compatible with MU-J plug from various manufacturers

ORDERING INFORMATION

FA140 - a - b

Ex.) FA140 - 01 - HP

a	Attenuation	SEE TABLE 4	
b	Polishing	PC polishing / Standard	HP

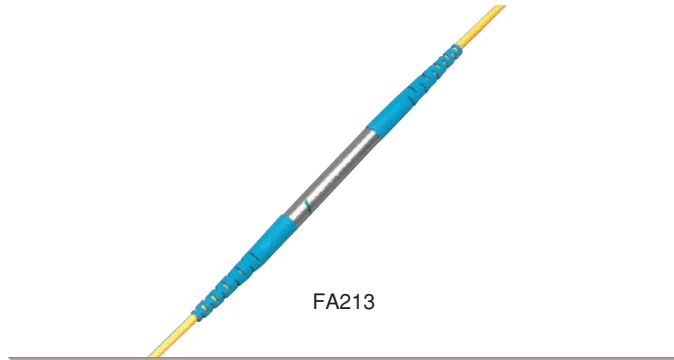
Table 4. Attenuation and corresponding notation

Attenuation (dB)	Notation	Attenuation (dB)	Notation	Attenuation (dB)	Notation
0	00	6	06	11	11
1	01	7	07	12	12
2	02	8	08	13	13
3	03	9	09	14	14
4	04	10	10	15	15
5	05	—	—	20	20

[IN-LINE TYPE FIXED ATTENUATOR]

- In-line type attenuator for S/M application
- Custom spec available in attenuation, wavelength and length

FA213 series (ø3mm cable type)



ORDERING INFORMATION

FA213-35 - [a] - [b] - [c]

Ex.)
FA213-35 - 01 - 2 - SSCP3

a	Attenuation	SEE TABLE 4 (P24)	
		None	0
b	Connector Qty	One side	1
		Both side	2
		FC (UPC)	SAP1
c	Connector Type	FC (APC R)	SNP2K
		FC (APC N)	SNP2D
		SC (UPC)	SSCP3
		SC (APC)	SSCPN3

[PLUG TYPE FILTER]

- Our filter is wideband filter incorporating dielectric multilayer film
- Our filter provide reliable environmental characteristics with our exclusive assembly technology which allowed epoxy free in optical path

SHORT PASS FILTER



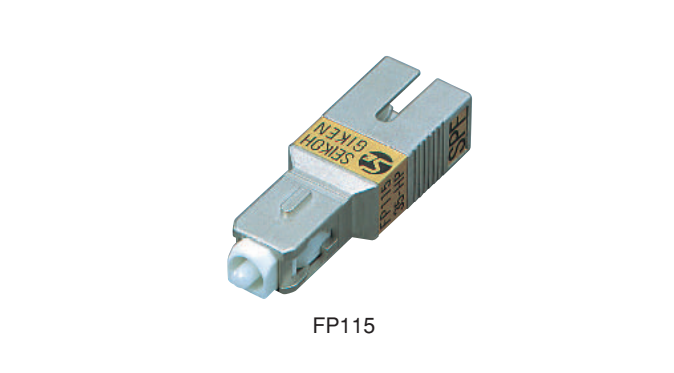
ORDERING INFORMATION

FP [a] - [b] - [c] - [d]

Ex.)
FP 100 - HP - 13/15 - SPF

a	Connector Type	FC	100
		SC metal	115
b	Polishing	PC polishing	HP
		Angle PC polishing	AP
c	Wavelength	1310/1550	13/15
		1490/1550	14/15
		1310+1550/1625	15/16
d	Grade	Standard	SPF

LONG PASS FILTER



ORDERING INFORMATION

FP [a] - [b] - [c] - [d]

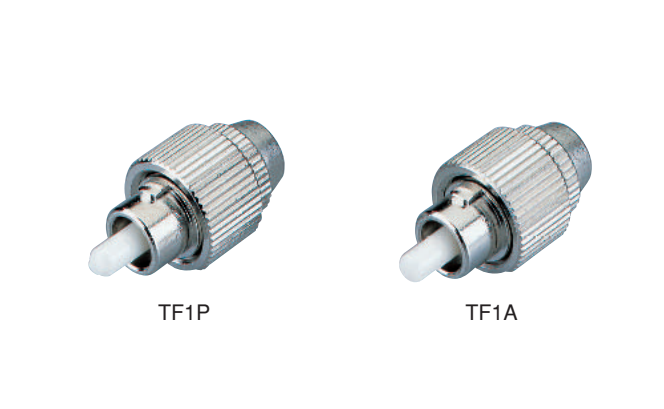
Ex.)
FP 100 - HP - 13/15 - LPF

a	Connector Type	FC	100
		SC metal	115
b	Polishing	PC polishing	HP
		Angle PC polishing	AP
c	Wavelength	1310/1550	13/15
		1490/1550	14/15
d	Grade	Standard	LPF

[TERMINATOR]

- Attenuating area structured inside of the device provides efficient termination for both PC and APC
- U.S. Pat. No. 5,337,377

TF1 series (FC connector type)



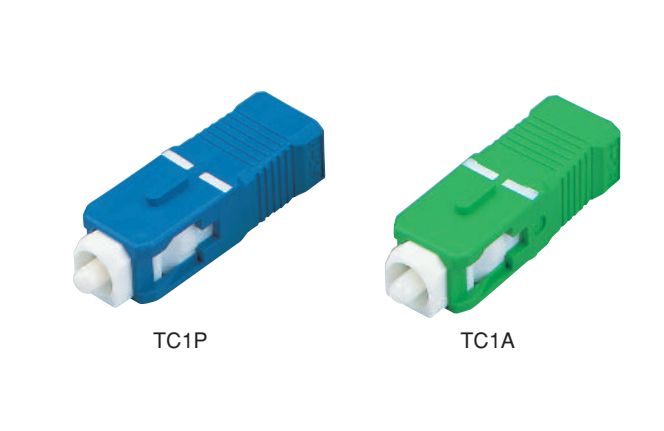
ORDERING INFORMATION

TF1 [a]

Ex.)
TF1 P

a	Polishing	PC polishing	P
		Angle PC polishing	A

TC1 series (SC connector type)



ORDERING INFORMATION

TC1 [a]

Ex.)
TC1 P

a	Polishing	PC polishing	P
		Angle PC polishing	A

MANUFACTURING EQUIPMENT

POLISHER
CLEANER
MICROSCOPE
INTERFEROMETER



[POLISHING MACHINE]

- The widest range of production polishers utilizing our proprietary turntable design
- With our exclusive rotation-revolution mechanism, polishing films and polishing processes, and with over two decades of connector polishing expertise all contribute to the highest quality optical performance

U.S.Pat. No.4,979,334 / 5,351,445 / 6,165,055

SFP-550S



This model is the one of highest grade of our polishing machines with excellent capability of max. 40 axis simultaneous polishing, versatility for various connectors such as MT ferrule, Fiber Array and Planer Lightwave Circuit chip as well as its high workability.

It features LCD touch panel for programing various connector polishing processes to achieve easier operation. Additionally, it features slow starting function, programable turntable speed-controler and voltage-free power input for world-wide versatile installation.

Best use for high volume mass-production with standard geometry specifications.

Application	High Volume, Installation
Pressure Source	4 Coil Springs
Polishing Capacity (max)	40
Programmable Process	8 (Maximum)
Number of programs	12
Speed of turntable	Rotation: 0.1-2rpm Revolution: 5-140rpm
Dimensions	310×230×295mm
Weight (approx.)	16.7kg
Input Voltage	100-240VAC,50-60Hz
Connector Type	φ2.5mmPC,APC φ1.25mmPC,APC MT, mini-MT, Fiber Array

OFL-15A



This model is another highest grade of our polishing machines with excellent capability of max. 24 axis simultaneous polishing, versatility for various connector such as MT ferrule. It features LCD touch panel for programing various connector polishing processes to achieve easier operation. Additionally, it features active polishing pressure control with load-cell sensor and stepping motor to achieve excellent polishing result.

Best use for extrem high end geometry specification.

Application	High Volume production
Pressure Source	Stepping motor with load-cell sensor
Polishing Capacity (Max)	24
Programmable Process	5(max)
Number of programs	15
Speed of turntable	Revolution: 100~280rpm
Dimensions	240 x 390 x 510mm
Weight(approx.)	30kg (63lb)
Input Voltage	100/115/220/240 VAC, 50~60Hz
Connector Type	φ2.5mmPC,APC φ1.25mmPC,APC MT, mini-MT, Fiber Array

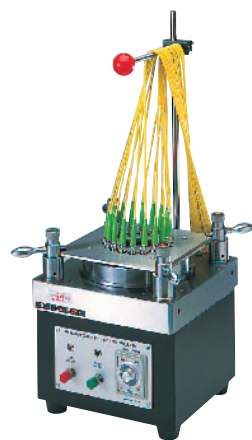
SFP-550E



Succeeding higher 550S' essential mass-production adaptability and versatility, this features 4 timers instead of touch panel on the front panel to maintain operational certainty based on eye-checking to reduce operator's mistake. It also features speed adjuster of turntable and voltage - free power input.

Application	High Volume, Installation
Pressure Source	4 Coil Springs
Polishing Capacity (max)	40
Speed of turntable	Rotation: 0-2rpm Revolution: 5-140rpm
Dimensions	310×230×295mm
Weight (approx.)	16kg
Input Voltage	100-240VAC,50-60Hz
Connector Type	φ2.5mmPC,APC φ1.25mmPC,APC MT, mini-MT, Fiber Array

SFP-120A (550)



This is the most reasonable model with basic features succeeded from higher grade two models. Its originally designed IPC (Individual pressure control) system to give even pressure to each ferrule regardless of its protrusion length achieves stable mass-polishing with high quality. Mostly recommended to multi-installation purpose at large scaled factory.

*All the polishing holders, films and pads of the 550 (120A) series can be commonly used to these 3 polishers.

Application	High Volume, Installation
Pressure Source	4 Coil Springs
Polishing Capacity (max)	40
Dimensions	230×255×230mm
Weight (approx.)	16 (23.5) kg
Input Voltage	100-120VAC, 50/60Hz or 220-240VAC, 50/60Hz
Connector Type	φ2.5mmPC, APC φ1.25mmPC, APC MT, mini-MT, Fiber Array

SFP-70D



This model is intended for smaller production capacity. SFP-70D provides 6 axis simultaneous polishing. This model can also be operated on DC power for field use.

Optional adhesive heaters are also available which can be attached to the polishing machines.

Application	Laboratory
Pressure Source	4 Coil Springs
Polishing Capacity (max)	6
Dimensions	130×145×130mm
Weight (approx.)	3.2kg
Input Voltage	100-240VAC, 50/60Hz 3way power supply : 12V Battery, Cigarette lighter socket and A/C Power
Connector Type	φ2.5mmPC φ1.25mmPC

SFP-70D2



This model provides 2 axis simultaneous polishing at low cost, and is most suitable for on-field and experimental use.

Application	Laboratory
Pressure Source	Holder Weight
Polishing Capacity (max)	2
Dimensions	120×115×90mm
Weight (approx.)	3.2kg
Input Voltage	100-240VAC, 50/60Hz 3way power supply : 12V Battery, Cigarette lighter socket and A/C Power
Connector Type	φ2.5mmPC φ1.25mmPC

[REPAIR POLISHER]

- Based on our proprietary rotation mechanism and with our long experience in polishing technology, this machine was specially designed for repolishing damaged connector endface

SFP-Lite (Repair Mate™)



Structure

- 1-axis polishing & portable (weight only 600g)
- User-friendly one touch button operation

Features

- New rotation mechanism enables the removal of fiber endface scratches while maintaining ferrule endface geometry
- Polishing holder equipped with IPC mechanism provides stable polishing result regardless of ferrule length.
- Suitable for field use (AA battery operation)
- Polishing holders for various connector types are available.

Application	Repolishing only
# of axis	1
Dimension	94 × 75 × 140mm
Weight	600g
Power	Size AA battery X 4pcs / AC/DC power adapter (100V ~ 240V)
Connector Type	SC, FC, ST, LC, MU (PC/APC)
Polishing Process	2 polishing steps

[ENDFACE CLEANER]

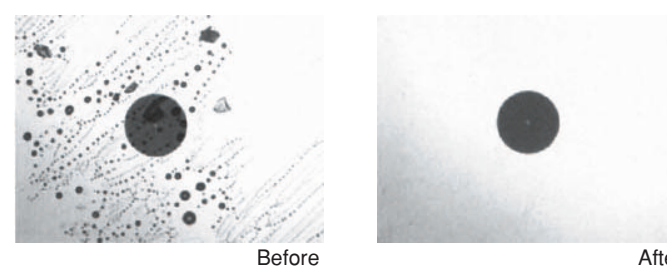
- Latest concept in endface cleaner
- Proprietary mechanism for simultaneous forwarding and rotating cleaning cloth provides effective endface cleaning

SFM-250/125 (Ferrule Mate™)



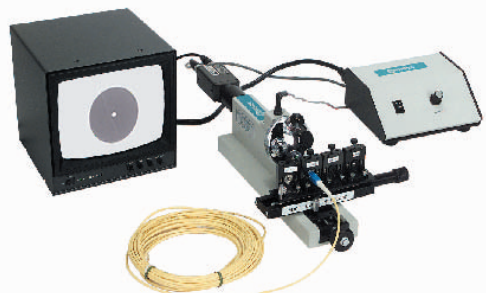
- Handy and high performance cleaner that fits in your hand and equips cleaning cloth achieves cleaning more than 300 times
- Originally developed mechanism for simultaneous forwarding and rotation of cleaning cloth contamination easily removes ferrule, which existing product is hardly ever done
- Tapered tip is ideal for cleaning inside of adapter. Also, by using protection cap, single connector endface can be cleaned

Part Number	SFM-250 (φ2.5mm)	SFM-125 (φ1.25mm)
Application	Ferrule endface cleaning for inner adapter or single connector	
Dimension (body)	L163×W20×H44 mm	
Dimension (tip)	L=63mm	L=110mm
Weight	60g	
Operation	Push button operation	
Life	More than 300 times	
Connector/Adapter Type	SC, FC, ST (both PC and Angle PC)	MU, LC (both PC and Angle PC)



[MICROSCOPE]

Microscope for Mass Production Use (ME2503/3200)



ME2503

These video microscope systems manufactured by Micro Enterprises Inc. are ideal for use in mass production line.

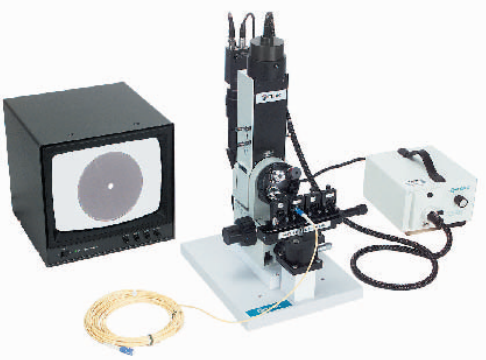
Key features are easy and quick setting of inspection area, focus and magnification.

Four common adapters are furnished as standard and mounted on to the stage at a time.

Various adapters are also available as option including MT, fiber array and APC endface.

Suitable adapter can be easily selected by sliding the stage to the objective lens position.

12" monochrome monitor is equipped as standard. Upper grade ME3200 features high intensity white halogen light source and higher resolution 2/3" CCD camera that enables to monitor micro scratch.



ME3200

	ME2503	ME3200
Monitor	Monochrome 12" monitor	
Objective Lens	5X, 10X, 20X	5X, 10X, 20X, 40X
Magnification	200X, 400X, 800X	150X, 300X, 600X, 1200X
Connector Adapter (standard option)	φ2.5mmPC, φ2.5mmAPC, φ2.0mm, φ1.25mm	
Power	AC100V 50/60Hz	
Optional Adapter	MT, Mini-MT, MT-RJ, MPO, MPX, Array, SMA	

SIM-200/400



Handy type microscope operated with three AAA batteries. Two magnification types are available (200x or 400x). High intensity white LED for clear and enhanced vision. Detachable φ2.5mm ferrule adapter is equipped as standard. Other connector adapters are also available as optional Laser safety filter is equipped for eye protection. For precaution, please turn off laser source before use.

Portable Video Microscope System



ME9100



ME9500

These are video microscope systems ideal for installation field, testing lab and small lot production site.

With optional bulkhead adapter, ferrule endface inside of system module can be inspected over receptacle of backplane.

Also, suitable for standard endface inspection for various connector with standard adapter.

Together with optional handy video monitor, clear endface vision is observed by blue LED.

CI-1000 is best use for installation field because of small and light weight body.

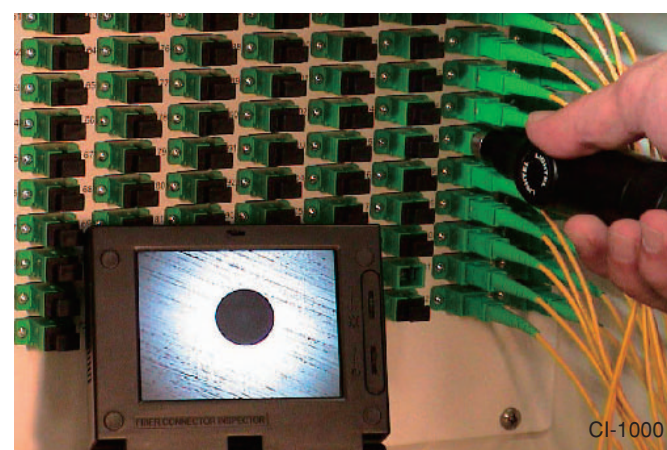
ME-9100/9500 is best use for testing lab or assembly shop because of wide LCD and X-Y alignment function.

ME9100/9500	
Dimension(mm)/ Weight(kg) (Scope)	216×45×43 / 0.26
Dimension(mm)/ Weight(kg) (Monitor)	279×95×267 / 2.26
Magnifications	335x (6.4"LCD)
Light Source	Blue LED
Power	110-220V 50/60Hz 24V AC/DC adapter Internal rechargeable battery
Battery Life	5 hours 1 hours for charging
Monitor	6.4" LCD

Optional items	
USB Video Capture Device	Available
Connector attachment	2.5mm ferrule,FC,SC,1.25mm ferrule,MU,LC,MTP,MPO,MT-RJ, MT ferrule
Bunlkhead attachment	FC,SC,MU,LC,ST,MTP,MPO, MT-RJ



CI-1000



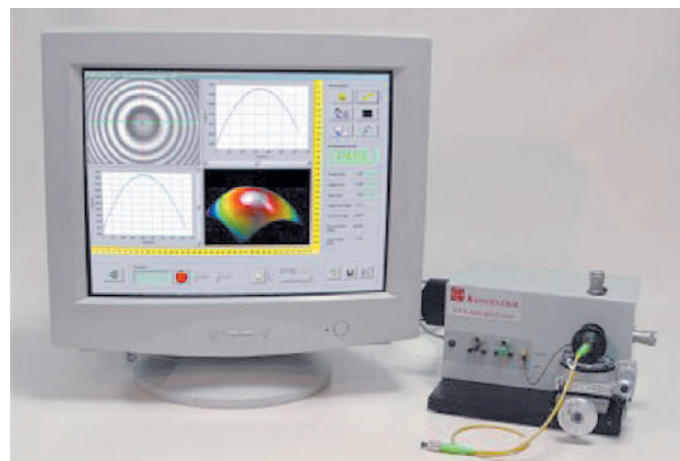
CI-1000

CI-1000	
Dimension(mm)/ Weight(kg) (Scope)	175×φ32 / 0.16
Dimension(mm)/ Weight(kg) (Monitor)	105×95×45 / 0.45
Magnifications	180x (3.5"LCD)
Light Source	Blue LED
Power	110-220V 50/60Hz 9.6V AC/DC adapter Internal rechargeable battery
Battery Life	4 hours 1 hours for charging
Monitor	3.5" LCD

Optional items	
USB Video Capture Device	Available
Connector attachment	2.5mm ferrule,FC,SC,1.25mm ferrule,MU,LC,MTP,MPO,MT-RJ, MT ferrule
Bunlkhead attachment	FC,SC,MU,LC,ST,MTP,MPO, MT-RJ

[INTERFEROMETRY INSTRUMENT]

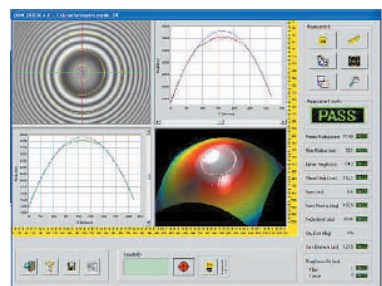
KONCENTRIK 4.0



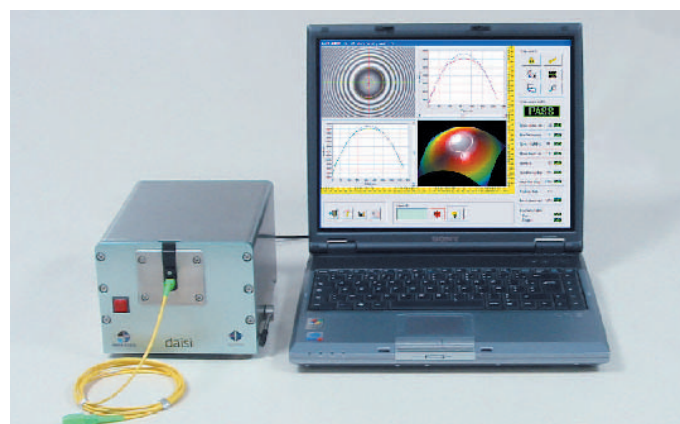
Koncentrik provides high resolution 2D & 3D surface profiles with the end geometry measuring apparatus using interference-fringe.
 This system can measure the geometry of ferrule end face, ferrule eccentricity and core eccentricity.

Accuracy of Geometry Measurement

Radius	±0.5mm
Fiber Height	±5nm
Apex Offset	±5μm



DAISI

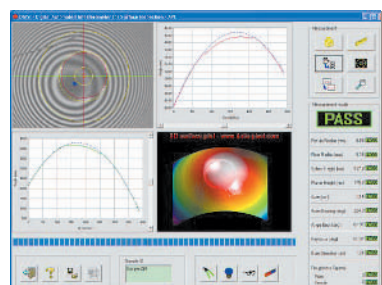


DAISI (Digital Automated Interferometer for Surface Inspection) achieves the high workability and repeatability with the features such as auto-focus function, auto-calibration function or auto connector fixing system. Measuring single ferrule fiber connectors also can be conducted as well as MT-RJ connector.
 The use of a USB2.0 interface enables to use this system on lap-top PC.

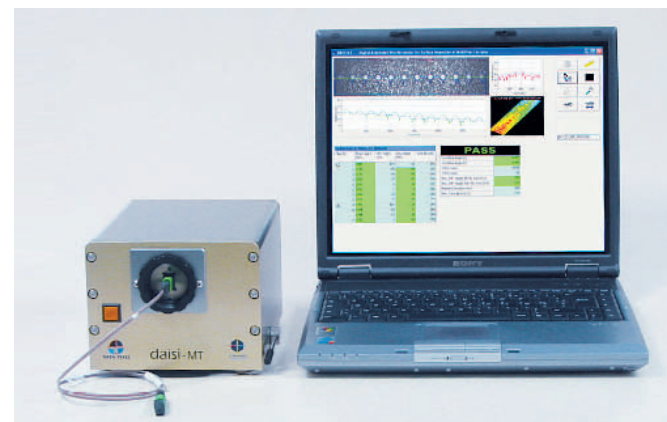
Accuracy of Geometry Measurement

Radius	±0.2%
Fiber Height	±1.5nm
Apex Offset	±1 μm

※One sigma values



DAISI-MT

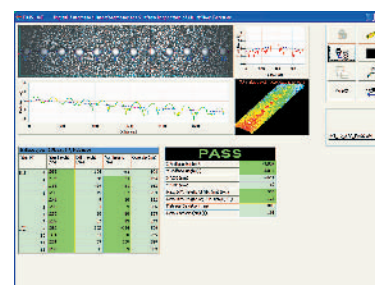


DAISI-MT (Digital Automated Interferometer for Surface Inspection of MT) has same technologies as DAISI while adding high resolution CCD camera to achieve excellent accuracy and repeatability for MT geometry measurement.

Accuracy of Geometry Measurement

Flatness	±0.5%
Polishing Angle Error	±0.01°
Fiber Protrusion/Undercut	±0.01 μm

※One sigma values



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