

**SUN CONEC**

-Singapore & Malaysia-

# **Advanced Fiber Connectivity**

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EDITION 1.0



**Make Connections Much Simpler**

# COMPANY PROFILE

SUN CONEC is a global leading supplier of optical communication components, specializing in the research, development, and manufacturing of ceramic ferrules, ceramic sleeves, fiber optic patch cords, MPO patch cords, and PLC splitters. Our products are widely used in FTTX and data center communications, as well as in the fields of lasers, medical equipment, aerospace, and quantum technology.

We have sales offices in Singapore and Japan, along with three major manufacturing bases located in Johor, Malaysia, and Zhejiang and Hunan in China, covering a total area of 450,000 square feet. With a well-established global supply chain, SUN CONEC serves key optical communication markets across East Asia, North America, Europe, and South Asia, offering one-stop optical connectivity solutions to customers worldwide.

Driven by continuous technological innovation and rigorous quality control, SUN CONEC has developed a range of industry-leading optical communication products and established a comprehensive global service system. We are committed to innovation-led growth and dedicated to delivering high-reliability, high-performance optical connectivity solutions to customers around the world.

## We provide fiber optical solutions in your industry



FTTX systems



Data Center



Quantum



Medical



PON Network



Laser



Test Equipment

## Why choose us

- Much shorter turnaround time
- For competitive pricing
- More reliable quality assurance
- One-stop solution to facilitate your procurement
- OEM/ODM services

## About Us

Up to **250,000,000** ceramic ferrules per year

Nearly **30,000,000** fiber optic patch cords per year

Close to **500,000,000** square feet operation area

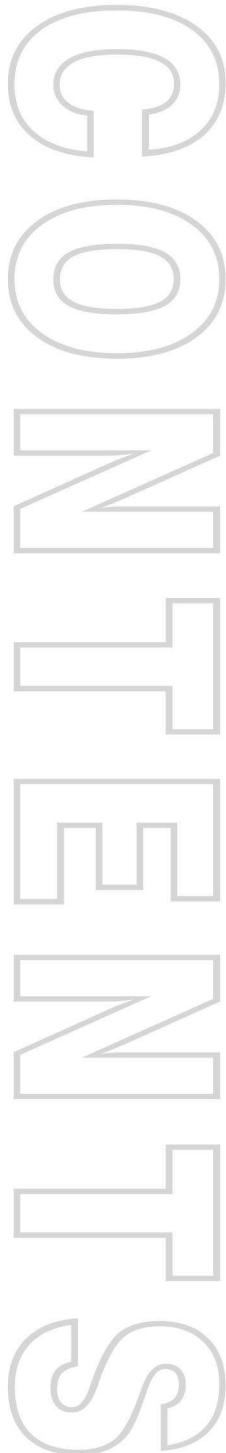
More than **100 patents** acquired in innovative spirit

Our products are **100%** tested and verified

More than **10 years** experience in optical communication industry

## Certifications/Systems





## 01 ZIRCONIACERAMIC FERRULE

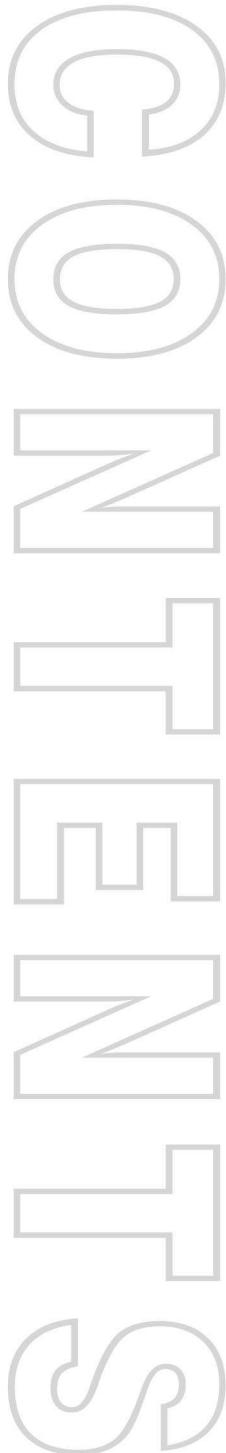
- Standard SC/UPC and SC/APC
- Standard SC/APC(STEP),SC ferrule flange
- Standard LC and MU
- LC ferrule flange
- Premium ferrule series
- Customized ferrule
- Zirconia sleeves

## 02 SINGLE-FIBER PATCH CORD

- Single-Fiber connector performance
- Fiber optic connector patch cord
- Standard patch cable structures
- SC connectors
- FC connectors
- ST connectors
- LSH connectors
- LC connectors
- LC/UNIBOOT connectors
- MTRJ connectors
- SN connectors
- MDC connectors
- LC-WHOOSH connectors
- LC-ENT connectors
- Weatherproof connectors
- Indoor Rc Fan-Out kit
- Outdoor Fan-Out Kit

## 03 MULTI-FIBER PATCH CORD

- Dual-Fiber connector performance
- Fiber optic connector patch cord
- Standard patch cable structures
- MPO/MTP connectors
- MPO (PUSH-PULL) connectors
- SN-MT connectors
- MMC connectors
- MDC connectors
- MPO-LC (12-CORE) connectors
- MPO-LC/UNIBOOT (12-CORE) connectors



## 04 FAST FIBER CONNECTOR

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- SC FAST FIBER CONNECTOR
- LC FAST FIBER CONNECTOR
- FC FAST FIBER CONNECTOR
- LC HOT MELT CONNECTOR
- SC HOT MELT CONNECTOR
- FC HOT MELT CONNECTOR
- OPTICAL FIBER COLD SPLICER
- WATERPROOF CONNECTOR SERIES

## 05 TERMINAL BOX

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- FAB-HGT-16A
- FAB-HGT-8ZT
- FAT-8L
- FAT-16L
- FAT-16M/24M
- FAT-8T
- FAT-HGT-8SX
- FAB-HGT-8ZT-3
- FAB-HGT-8ZX-4
- FAT-16T
- FAT-HGT-16QX
- GFS-8QX
- FAT-HGT-16SX
- GFS-16QX
- FRB-4D
- FAB-HGT-8ZSX

**SUN CONEC**

**-Singapore & Malaysia-**

# **Zirconiaceramic Ferrule**



- Standard SC/UPC and SC/APC pg.01
- Standard SC/APC (STEP) , SC Flange pg.02
- Standard LC and MU pg.03
- LC Flange pg.04
- Premium, Super Premium , Ultra Premium pg.05
- Customized Ferrule pg.06
- Zirconia sleeves pg.07

## SC/UPC ZIRCONIA FERRULE



### SPECIFICATION

DESCRIPTION	SM	MM
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499 \pm 0.0005$	$\Phi 2.499 \pm 0.0010$
<b>Concentricity(mm)</b>	$\le 0.0010$	$\le 0.0040$
<b>Ferrule Length(mm)</b>	$10.5 \pm 0.05$	

### CODE STANDARDS

**SP-5363-05-FP**

TYPE	ID Range(μm)		Concentricity	Flange
SP SC/PC	5055	125.0-125.5	03 0.3μm	FP SC/PC Flange
	5257	125.2-125.7	05 0.5μm	<input checked="" type="checkbox"/> Without Flange
	5363	125.3-126.3	10 1.0μm	
	5565	125.5-126.5	14 1.4μm	
	6070	126.0-127.0	40 4.0μm	
	6090	126.0-129.0		

*Note: Customized flange slot width and length are available upon request.*

#### Performance:

- The product complies with RoHS requirements.
- Salt mist resistance: 48h ≤ test duration ≤ 168h (IEC 61300-2-26)
- Ferrule hardness: >1200HV
- Ferrule density ≥6.0 g/cm³
- Ferrule bending strength: >1200 MPa
- Ferrule-to-tailstock retention >7kgf
- The ferrule passed the 85°C/85% RH test for 2000 hours
- The ferrule passed the aging test at 140°C for 24 hours

SC/UPC Ferrule With Flange



SC/UPC Ferrule



## SC/APC ZIRCONIA FERRULE

### SPECIFICATION

DESCRIPTION	SM	MM
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499 \pm 0.0005$	$\Phi 2.499 \pm 0.0010$
<b>Concentricity(mm)</b>	$\le 0.0010$	$\le 0.0040$
<b>Ferrule Length(mm)</b>	$10.5 \pm 0.05$	
<b>Bevel angle degree(°)</b>	30°/35°/45°	

### CODE STANDARDS

**SA-5363-05-FA**

TYPE	ID Range(μm)		Concentricity	Flange
SA SC/APC	5055	125.0-125.5	03 0.3μm	FA SC/APC Flange
	5257	125.2-125.7	05 0.5μm	<input checked="" type="checkbox"/> Without Flange
	5363	125.3-126.3	10 1.0μm	
	5565	125.5-126.5	14 1.4μm	
	6070	126.0-127.0	40 4.0μm	
	6090	126.0-129.0		

*Note: Customized flange slot width and length are available upon request.*

#### Performance:

- The product complies with RoHS requirements.
- Salt mist resistance: 48h ≤ test duration ≤ 168h (IEC 61300-2-26)
- Ferrule hardness: >1200HV
- Ferrule density ≥6.0 g/cm³
- Ferrule bending strength: >1200 MPa
- Ferrule-to-tailstock retention >7kgf
- The ferrule passed the 85°C/85% RH test for 2000 hours
- The ferrule passed the aging test at 140°C for 24 hours

SC/APC Ferrule With Flange



SC/APC Ferrule

## SC/APC (STEP) ZIRCONIA FERRULE



### SPECIFICATION

DESCRIPTION	SM	MM
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499 \pm 0.0005$	$\Phi 2.499 \pm 0.0010$
<b>Concentricity(mm)</b>	$\leq 0.0010$	$\leq 0.00040$
<b>Ferrule Length(mm)</b>	$10.5 \pm 0.05$	

### CODE STANDARDS

**ST-5363-05-FA**

SC/STEP Ferrule With Flange



SC/APC (STEP) Ferrule

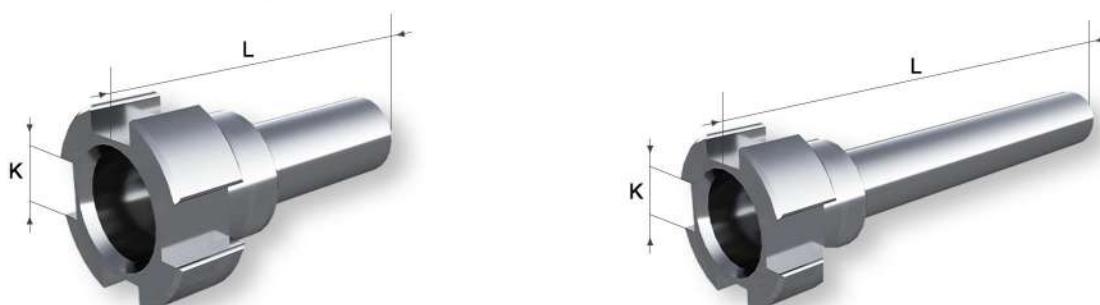
TYPE	ID Range(μm)	Concentricity	Flange
ST SC/APC (STEP)	5055 125.0-125.5	03 0.3μm	FA SC/APC Flange
	5257 125.2-125.7	05 0.5μm	<input checked="" type="checkbox"/> Without Flange
	5363 125.3-126.3	10 1.0μm	
	5565 125.5-126.5	14 1.4μm	
	6070 126.0-127.0	40 4.0μm	
	6090 126.0-129.0		

Note: Customized flange slot width and length are available upon request.

### Performance:

- The product complies with RoHS requirements.
- Salt mist resistance: 48h ≤ test duration ≤ 168h (IEC 61300-2-26)
- Ferrule hardness: > 1200HV
- Ferrule density ≥ 6.0 g/cm<sup>3</sup>
- Ferrule bending strength: > 1200 MPa
- Ferrule-to-tailstock retention > 7kgf
- The ferrule passed the 85°C/85% RH test for 2000 hours
- The ferrule passed the aging test at 140°C for 24 hours

## SC FERRULE FLANGE



L=Length Parameter K=Aperture Parameter

### SC Flange Dimensional Specifications

K	L	8.05 (mm)	15.4 (mm)
$1.27 \begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$ (mm)		FS	FSL
$1.30 \begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$ (mm)		FN	FNL
$1.35 \pm 0.05$ (mm)		FA	FAL
$1.50 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$ (mm)		FP	FPL

### Notes:

- The Flange length and slot width can be customized according to customer requirements.
- The Flange material can be selected as nickel-plated Copper or SUS303Cu.
- Salt mist resistance: 48h ≤ test duration ≤ 168h(IEC 61300-2-26).



LC Ferrule With Flange



LC Ferrule With Slotted Flange



LC Ferrule

## LC ZIRCONIA FERRULE

### SPECIFICATION

DESCRIPTION	SM	MM
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 1.249 \pm 0.0005$	
<b>Concentricity(mm)</b>	$\leq 0.0010$	$\leq 0.0040$
<b>Ferrule Length(mm)</b>	$6.4^{+0.1}_0$	

### CODE STANDARDS

LC-5363-03-FL							
TYPE	ID Range(μm)		Concentricity		Flange		
LC LC Ferrule	5055	125.0-125.5	03	0.3μm	FL	LC Ferrule With Flange	
	5257	125.2-125.7	05	0.5μm	FLK	LC Ferrule With Slotted Flange	
	5363	125.3-126.3	10	1.0μm	☒	Without Flange	
	5565	125.5-126.5	14	1.4μm			
	6070	126.0-127.0	40	4.0μm			
	6090	126.0-129.0					

**Note:** Customized flange slot width and length are available upon request.

### Performance:

- The product complies with RoHS requirements.
- Salt mist resistance: 48h ≤ test duration ≤ 168h (IEC 61300-2-26)
- Ferrule hardness: >1200HV
- Ferrule density ≥6.0 g/cm<sup>3</sup>
- Ferrule bending strength: >1200 MPa
- Ferrule-to-tailstock retention >5kgf
- The ferrule passed the 85°C/85% RH test for 2000 hours
- The ferrule passed the aging test at 140°C for 24 hours

## MU ZIRCONIA FERRULE

### SPECIFICATION

DESCRIPTION	SM	MM
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499 \pm 0.0005$	$\Phi 2.499 \pm 0.001$
<b>Concentricity(mm)</b>	$\leq 0.0010$	$\leq 0.0040$
<b>Ferrule Length(mm)</b>	$6.4^{+0.1}_0$	

### CODE STANDARDS

MU-5363-05-FM							
TYPE	ID Range(μm)		Concentricity		Flange		
MU MU Ferrule	5055	125.0-125.5	03	0.3μm	FM	MU Ferrule With Flange	
	5257	125.2-125.7	05	0.5μm	FML	MU Ferrule With Slotted Flange	
	5363	125.3-126.3	10	1.0μm			
	5565	125.5-126.5	14	1.4μm			
	6070	126.0-127.0	40	4.0μm			
	6090	126.0-129.0					

**Note:** Customized flange slot width and length are available upon request.

### Performance:

- The product complies with RoHS requirements.
- Salt mist resistance: 48h ≤ test duration ≤ 168h (IEC 61300-2-26)
- Ferrule hardness: >1200HV
- Ferrule density ≥6.0 g/cm<sup>3</sup>
- Ferrule bending strength: >1200 MPa
- Ferrule-to-tailstock retention >5kgf
- The ferrule passed the 85°C/85% RH test for 2000 hours
- The ferrule passed the aging test at 140°C for 24 hours



MU Ferrule With Flange

## // LC FERRULE FLANGE



L=Length Parameter S=Flat-to-flat dimension

**LC Flange Dimensional Specifications**

S	K	Non-Slotted	Slotted (K=0.79mm)
2.54±0.05 (mm)		FL	FLK
2.65±0.05 (mm)		FW	FWK

**MU Flange Dimensional Specifications**

S	L	5.5mm	7mm
2.78 <sup>+0.1</sup> <sub>0.05</sub> (mm)		FM	FML
2.6 <sup>+0.1</sup> <sub>0.05</sub> (mm)		FU	FUL

**Notes:**

1. The tail handle length and slot width can be customized according to customer requirements.
2. The tail handle material can be selected as nickel-plated Copper or SUS303Cu.
3. Salt mist resistance: 48h ≤ test duration ≤ 168h(IEC 61300-2-26).

## PREMIUM



### Performance:

- Attenuation grade of GradeB (untuned): $\leq 0.12\text{dB}$  mean, $\leq 0.25\text{dB}$  max, for  $\geq 97\%$  of the connections.

### SPECIFICATION

DESCRIPTION	SC	LC
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499\pm 0.0003$	$\Phi 1.249\pm 0.0003$
<b>Concentricity(mm)</b>	$\leq 0.0005$	
<b>Ferrule Length(mm)</b>	$10.5\pm 0.05$	$6.4_0^{+0.1}$

**Note:** 1. The premium ferrule maintains  $\leq 0.3\mu\text{m}$  concentricity for  $200\mu\text{m}$  fiber cores, achieving ultra-precision alignment standards.  
 2. Grade B is defined in IEC 61753-1.

## SUPER PREMIUM



### Performance:

- Attenuation grade of GradeB : $\leq 0.07\text{dB}$  mean, $\leq 0.15\text{dB}$  max,for  $\geq 97\%$  of the connections.

### SPECIFICATION

DESCRIPTION	SC	LC
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499\pm 0.0002$	$\Phi 1.249\pm 0.0002$
<b>Concentricity(mm)</b>	$\leq 0.0003$	
<b>Ferrule Length(mm)</b>	$10.5\pm 0.05$	$6.4_0^{+0.1}$

**Note:** 1. The super premium ferrule maintains  $\leq 0.3\mu\text{m}$  concentricity for  $200\mu\text{m}$  fiber cores, achieving ultra-precision alignment standards.  
 2. GradeA\* is not defined in IEC standards.

## ULTRA PREMIUM



### Performance:

- Attenuation grade of GradeB : $\leq 0.05\text{dB}$  mean, $\leq 0.10\text{dB}$  max,for  $\geq 97\%$  of the connections.

### SPECIFICATION

DESCRIPTION	SC	LC
<b>Material</b>	Zirconia	
<b>Outer Diameter(mm)</b>	$\Phi 2.499\pm 0.0002$	$\Phi 1.249\pm 0.0002$
<b>Concentricity(mm)</b>	$\leq 0.00015$	
<b>Ferrule Length(mm)</b>	$10.5\pm 0.05$	$6.4_0^{+0.1}$

**Note:** 1. The ultra premium ferrule maintains  $\leq 0.15\mu\text{m}$  concentricity for  $200\mu\text{m}$  fiber cores, achieving ultra-precision alignment standards.  
 2. GradeA\*\* is not defined in IEC standards.

## // CUSTOMIZED FERRULE



Concentricity at both ends



Special APC chamfer (45°)



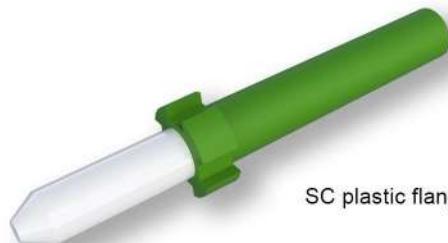
Slotted ferrule



SC ferrule with special length



ST special flange



SC plastic flange



Grooved ferrule



LC ferrule with special length



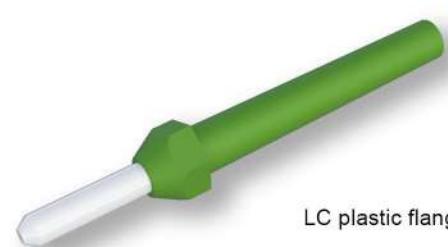
Black LC Ferrule



LC special flange



MU special flange



LC plastic flange

Outer diameter	0.18mm--3.0mm
Inner diameter	80 $\mu$ m--500 $\mu$ m
Concentricity	minimum 0.15 $\mu$ m
Slotting	a variety of customsized sizes
Chamfering	a variety of customsized sizes
Length	2.0mm—13mm

**Note:** Inner diameter tolerance:  $\pm 0.5\mu$ m (default), customizable based on customer's fiber outer diameter.



Aerospace



Medical



Data Center



FTTX systems



Test Equipment

## ZIRCONIA SLEEVES

### SPECIFICATION



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

**Note:** For Zirconia Sleeves ST,SC,FC,LC and MU.

For SC and FC Adapters Straight Split

### Performance:

- 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.

### CODE STANDARDS



**ZRS-25-101**

SLEEVE CODE	INNER DIAMETER	LENGTH
ZRS Straight Split Sleeve	25 (2.49)mm	101 10.1mm ST
		114 11.4mm SC & FC

**Note:** 1. Outer diameter and inner diameter dimensions are for reference only and should be adjusted to the required withdrawal force as specified.  
 2. Custom configurations and dimensions are available upon request.

For LC and MU Adapters Straight Split

**ZRS-12-680**

SLEEVE CODE	INNER DIAMETER	LENGTH
ZRS Straight Split Sleeve	12 (1.25)mm	680 6.8mm for LC/MU

**Note:** 1. Outer diameter and inner diameter dimensions are for reference only and should be adjusted to the required withdrawal force as specified.  
 2. Custom configurations and dimensions are available upon request.

**SUN CONEC**

**-Singapore & Malaysia-**

# Single-Fiber Patch Cord

▪ Connector performance	pg.08
▪ Product naming, Standard Patch cable structure	pg.09
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▪ SC connectors and SC ordering information(simplex/duplex)	pg.11-12
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▪ Weatherproof connectors and product selection	pg.24
▪ Indoor Rc Fan-Out kit connectors and product selection	pg.25
▪ Outdoor Fan-Out kit connectors and product selection	pg.26

## Insertion Loss (IL) and Return Loss (RL)

	Optical Performance	APC	UPC
Standard	IL (dB)	0.25	0.25
Low Insertion Loss		0.15	0.15
Standard	RL (dB)	60	50
High Return Loss		65	55

## Random Mated

Attenuation Grades	Description	Test method
Grade A*+ (Undefined in IEC)	≤0.05dB mean,≤0.10dB max,for ≥97% of connections	IEC 61300-3-34 method1
Grade A* (Undefined in IEC)	≤0.07dB mean,≤0.15dB max,for ≥97% of connections	IEC 61300-3-34 method1
Grade B	≤0.12dB mean,≤0.25dB max,for ≥97% of connections	IEC 61300-3-34 method1

## Fiber Endface Geometry Comparison

Parameter	APC	UPC
Radius (mm)	5~12	10~25
Apex Offset (μm)	0~50	0~50
Fiber Height (mm)	-100~+50	-100~+50
Angle Deviation (°)	7.7~8.3	N/A
Key Angle (°)	±0.3	N/A

## OPTICAL PATCHCORD

SCU-SCA-S-09-Z-B

A-SIDE CONNECTOR TYPE		B-SIDE CONNECTOR TYPE		CORE COUNT		OUTER DIAMETER		MATERIALS		OPTICAL FIBER TYPE	
SCU	SC/UPC	SCU	SC/UPC	S	simplex	09	0.9	Z	LSZH	A	G652D
SCA	SC/APC	SCA	SC/APC	D	duplex	12	1.2	V	PVC	B	G657A1
SCT	SC/APC(step)	SCT	SC/APC(step)			16	1.6	O	OFNP	C	G657A2
FCU	FC/UPC	FCU	FC/UPC			18	1.8			D	G657B3
FCA	FC/APC	FCA	FC/APC			20	2.0			E	G655
STU	ST/UPC	STU	ST/UPC			30	3.0			F	OM1
STA	ST/APC	STA	ST/APC							G	OM2
LCU	LC/UPC	LCU	LC/UPC							H	OM3-150
LCA	LC/APC	LCA	LC/APC							J	OM3-300
UN	UNIBOOT	UN	UNIBOOT							K	OM4
LSH	LSH	LSH	LSH							L	OM5

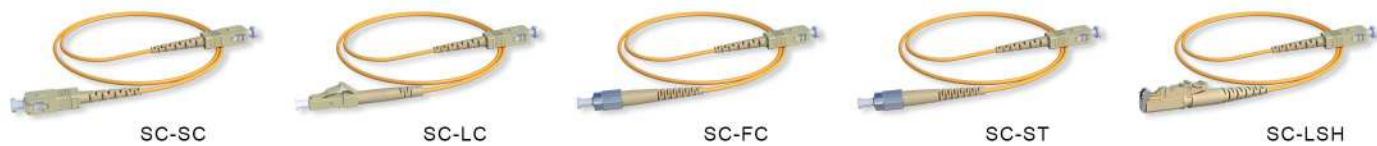
**Note:** Custom lengths available to meet your requirements.

## STANDARD PATCH CORD STRUCTURE

## LC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



## SC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



## FC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



## ST-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



## STANDARD PATCHCORD STRUCTURE

### LSH-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



### DUPLEX FIBER OPTIC PATCH CORD



### FIBER TYPE



## COMMON CABLE STRUCTURES

### SINGLE-CORE CABLE SERIES



### DUAL-CORE CABLE SERIES



## SC CONNECTOR

## CODE STANDARDS



SC/UPC Connector



SC/APC Connector

SCU-BU-D20-GN									
CONNECTOR	ENCLOSURE COLOR		BOOT TYPE(mm)		BOOT COLOR				
SCU SC/UPC Simplex Connector	BU	BLUE	D09	0.9 standard	GN	GREEN			
SCA SC/APC Simplex Connector	GN	GREEN	D20	2.0 standard	BU	BLUE			
DSCU SC/APC Duplex Connector	BG	BEGI	S20	2.0 Short Tail Boot	BG	BEGI			
DSCA SC/UPC Duplex Connector	AQ	AQUA	D30	3.0 standard	AQ	AQUA			
	VT	VIOLET	S30	3.0 Short Tail Boot	VT	VIOLET			
	LM	LIME GREEN	D16	1.6 standard	LM	LIME GREEN			
			D12	1.2 standard					

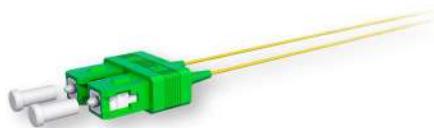
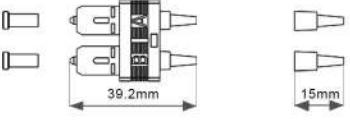
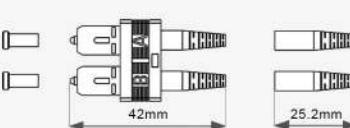
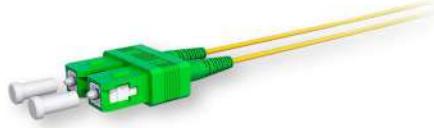
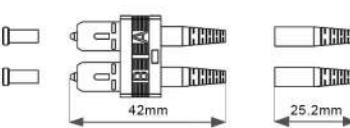
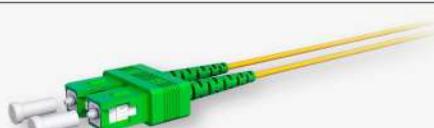
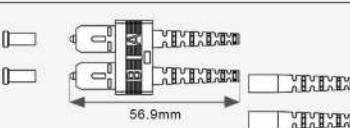
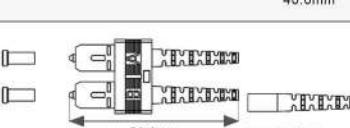
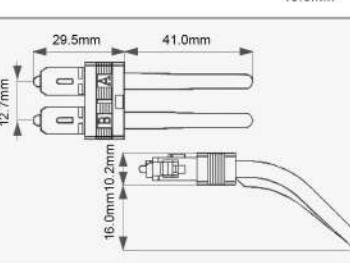
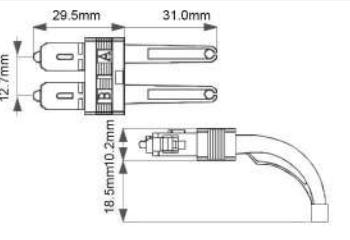
## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-4.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## PRODUCT SELECTION (SIMPLEX)

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		<p>39.2mm</p> <p>15mm</p>
1.2mm Simplex	Standard Boot		<p>42mm</p> <p>25.2mm</p>
1.6mm Simplex	Standard Boot		<p>42mm</p> <p>25.2mm</p>
2.0mm Simplex	Standard Boot		<p>56.9mm</p> <p>40.0mm</p>
3.0mm Simplex	Standard Boot		<p>56.9mm</p> <p>40.0mm</p>
2.0/3.0mm Simplex	45° Angle		<p>29.5mm</p> <p>42.0mm</p> <p>17.5mm</p>

## PRODUCT SELECTION (DUPLEX)

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		 39.2mm 15mm
1.2mm Simplex	Standard Boot		 42mm 25.2mm
1.6mm Simplex	Standard Boot		 42mm 25.2mm
2.0mm Simplex	Standard Boot		 56.9mm 40.0mm
3.0mm Simplex	Standard Boot		 56.9mm 40.0mm
2.0/3.0mm Duplex	45° Angle		 29.5mm 41.0mm 12.7mm 16.0mm 10.2mm
2.0/3.0mm Duplex	90° Angle		 29.5mm 31.0mm 12.7mm 18.5mm 10.2mm 18.5mm 10.2mm

## COLOR RECOMMENDATION



## // FC CONNECTOR

## CODE STANDARDS



FC-APC Connector



FC-UPC Connector



2.0mm Standard Boot

FC/UPC-MT-D09-GN					
CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR		
FC/UPC Connector	ZA ZINC ALLOY	D09	0.9 standard	GN	GREEN
FC/APC Connector	CO COPPER	D12	1.2 standard	BU	BLUE
		D16	1.6 standard	BG	BEGI
		D20	2.0 standard	AQ	AQUA
		D30	3.0 standard	BK	BLACK
		D46	4.6 standard		

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-13.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## // PRODUCT SELECTION

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		<p>29.8mm</p> <p>14.4mm</p>
2.0mm Simplex	Standard Boot		<p>42.6mm</p> <p>14.4mm</p>
3.0mm Simplex	Standard Boot		<p>42.6mm</p> <p>14.4mm</p>

## ST CONNECTOR

## CODE STANDARDS



ST-APC Connector



ST-UPC Connector



2.0mm Standard Boot

ST/UPC-MT-D09-GN							
CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR				
ST/UPC ST/UPC Connector	ZA ZINC ALLOY	D09 0.9 standard	GN GREEN				
ST/APC ST/APC Connector	CO COPPER	D12 1.2 standard	BU BLUE				
		D16 1.6 standard	BG BEGI				
		D20 2.0 standard	AQ AQUA				
		D30 3.0 standard	BK BLACK				
		D46 4.6 standard					

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-2.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## PRODUCT SELECTION

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		<p>40.77mm</p> <p>23mm</p>
2.0mm Simplex	Standard Boot		<p>39.2mm</p> <p>15mm</p>
3.0mm Simplex	Standard Boot		<p>39.2mm</p> <p>15mm</p>

## LSH CONNECTOR



LSH/UPC Connector



LSH/APC Connector



LSH/APC Connector

## CODE STANDARDS

E2U-BU-D20-GN

CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
E2U LSH/UPC Connector	BU BLUE	D09 0.9 standard	GN GREEN
E2A LSH/APC Connector	GN GREEN	D20 2.0 standard	BU BLUE
	BG BEIGE	D30 3.0 standard	BG BEIGE

## Performance:

- Insertion Loss:  $\leq 0.3$  dB typical for single mode.
- Repeatability:  $\leq 0.2$  dB.
- Widely used in telecom networks, test equipment, fiber-optic CATV, and LANs (Local Area Networks).
- Return loss: Single-mode:UPC  $\geq 50$  dB, APC  $\geq 60$  dB  
Multi-mode:  $\geq 25$  dB
- The dimensional design complies with IEC 61754, GR-326, TIA/EIA 568-B, and YDT 1272.

## PRODUCT SELECTION

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		<p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p>
2.0mm Simplex	Standard Boot		<p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p>
3.0mm Simplex	Standard Boot		<p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p>

## LC CONNECTOR

## CODE STANDARDS



LC/UPC Connector



LC/APC Connector

LCU-BU-D20-GN									
CONNECTOR	ENCLOSURE COLOR		BOOT TYPE(mm)		BOOT COLOR				
LCU LC/UPC Simplex Connector	BU	BLUE	D09	0.9 standard	GN	GREEN			
LCA LC/APC Simplex Connector	GN	GREEN	D20	2.0 standard	BU	BLUE			
DLCU LC/APC Duplex Connector	BG	BEGI	S20	2.0 Short Tail Boot	BG	BEIGE			
DLCA LC/UPC Duplex Connector	AQ	AQUA	D30	3.0 standard	AQ	AQUA			
	VT	VIOLET	S30	3.0 Short Tail Boot	VT	VIOLET			
	LM	LIME GREEN	D16	1.6 standard	LM	LIME GREEN			
			D12	1.2 standard					

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-20.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## PRODUCT SELECTION (SIMPLEX)

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Simplex	Standard Boot		
1.2mm Simplex	Standard Boot		
1.6mm Simplex	Standard Boot		
2.0mm Simplex	Standard Boot		
3.0mm Simplex	Standard Boot		
2.0/3.0mm Simplex	45° Angle		

## PRODUCT SELECTION (DUPLEX)

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9mm Duplex	Standard Boot		
1.2mm Duplex	Standard Boot		
1.6mm Duplex	Standard Boot		
2.0mm Duplex	Standard Boot		
3.0mm Duplex	Standard Boot		
2.0/3.0mm Duplex	45° Angle		
2.0/3.0mm Duplex	90° Angle		

## COLOR RECOMMENDATION

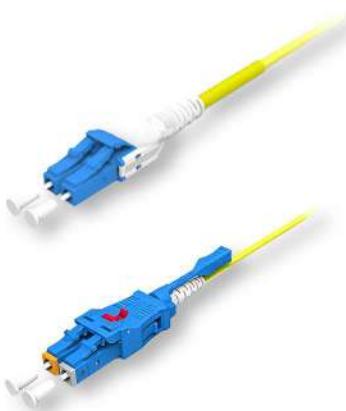


## LC/UNIBOOT CONNECTOR

## CODE STANDARDS

LCU-BU-D20-GN

CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
LCU UNIBOOT Connector	BU BLUE	D20 2.0 standard	WH WHITE
	GN GREEN	D30 3.0 standard	
	BG BEIGE		
	AQ AQUA		



LC/UNIBOOT Connector

## Performance:

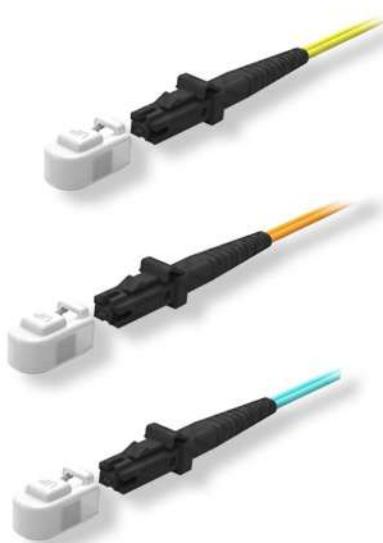
- The Uniboot connector utilises single-tube dual-core optical cables, facilitating cable management and enhancing thermal dissipation within cabling systems.
- Available in push-pull variants, the pull rod enables straightforward insertion or removal of patch cords.

- Its structural design permits effortless interchangeability of fibre polarity.

## ORDERING INFORMATION

Function		Push-Pull	Changeable polarity
Type	Matching the cable OD	Picture	Engineering Drawing
Style 1	2.0/3.0mm		
Style 2	2.0/3.0mm		
Style 3	2.0mm		
Style 4	3.0mm		

## MTRJ CONNECTOR



MTRJ Connector

### CODE STANDARDS

CONNECTOR		ENCLOSURE COLOR		BOOT TYPE(mm)	BOOT COLOR
MT2	2-fibre MTRJ connector	BK	BLACK	B18	Flat-tailed 1.8 x 3.6
MT4	4-fibre MTRJ connector			Y30	3.0 Round Tail

### Performance:

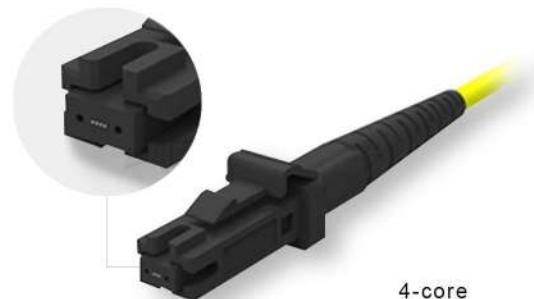
- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-24.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## PRODUCT SELECTION

### STRUCTURE



2-core



4-core

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
1.8x3.6mm	Flat Terminal for 2x1.8mm Tight-Buffered Fiber Optic Cable		
3.0mm	Round Terminal for 3.0mm Tight-Buffered Fiber Optic Cable (Single Tube, 2 or 4 Fiber)		

## SN CONNECTOR

## CODE STANDARDS

SN Connector  
UPC with Flex Angle BootSN Connector  
APC for 1.6mm/2.0mm Cable

SNA-BU-D20-WH			
CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
SNA SN/APC connector	BU BLUE	D20 1.6-2.0 Push-Pull Standard	WH WHITE
SNU SN/UPC connector	GN GREEN		
AQ AQUA			

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-13.
- Unique push-pull boot for simple installation and removal.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- IEC random mating Grade B.
- Effective size reduction compared to LC Duplex.

## OPTICAL DATA

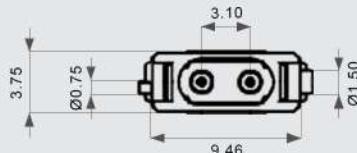
	Singlemode				Multimode
	UPC		APC		MM
	SM Premium Low Loss	SM Premium	SM Premium Low Loss	SM Premium	Premium
Typical Insertion Loss (dB)	0.05	0.08	0.07	0.12	0.05
Max. Insertion Loss (dB)	0.15	0.20	0.15	0.25	0.15
Typical Return Loss (dB)	≥55		≥65		≥25
Ferrule Diameter (μm)	125.5				127

**Note:** Based on master grade jumper to low loss random mating test.

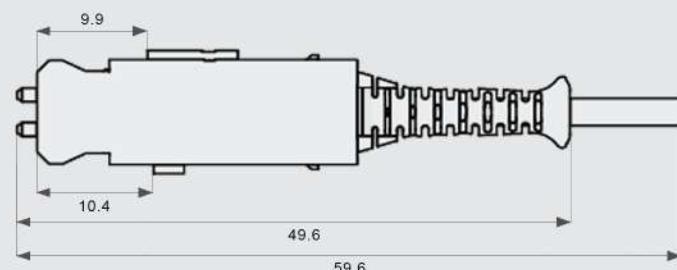
	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## 1-CHANNEL CONNECTOR DRAWING

## Front View



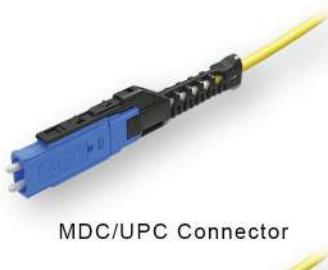
## Side View



**Note:** All dimensions are in mm

## MDC CONNECTOR

## CODE STANDARDS



MDC/UPC Connector



MDC/APC Connector

MD/APC-BU-D20-BK

CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
MD/UPC	BU BLUE	D20	2.0 End Standard
MD/APC	GN GREEN		BK BLACK
AQ	AQUA		

## Performance:

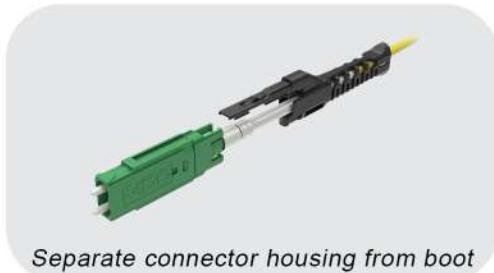
- 3x fiber cabling density over LC connectors, providing 216 duplex connectors (432 fibers) within 1 RU.
- DirectConec™ push-pull boot for effortless connector insertion and extraction.
- Simple polarity reversal with no exposed fibers.
- Meets IEC Attenuation Grade B random mating requirements (0.12 dB mean, 0.25 dB maximum for  $\geq 97\%$  of the connectors).
- Telcordia GR-326 and TIA-568 compliant.
- Designed for cables up to 2.0mm OD.
- Multi-mode, Singlemode and Singlemode APC available.

## OPTICAL DATA

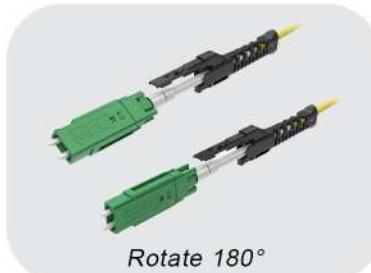
	Singlemode				Multimode
	UPC		APC		MM
	SM Premium Low Loss	SM Premium	SM Premium Low Loss	SM Premium	Premium
Typical Insertion Loss (dB)	0.10	0.12	0.10	0.12	0.12
Max. Insertion Loss (dB)	0.15	0.25	0.15	0.25	0.15
Typical Return Loss (dB)	$\geq 55$		$\geq 65$		$\geq 25$
Ferrule Diameter ( $\mu\text{m}$ )	125.5				127

**Note:** Based on master grade jumper to low loss random mating test.

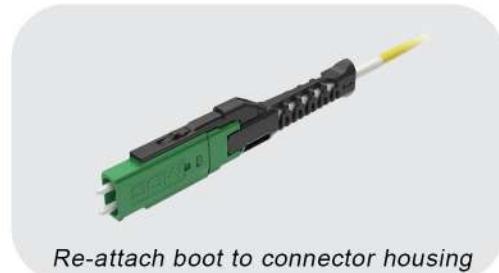
## POLARITY REVERSAL PROCESS



Separate connector housing from boot



Rotate 180°

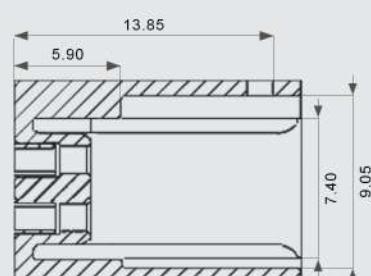


Re-attach boot to connector housing

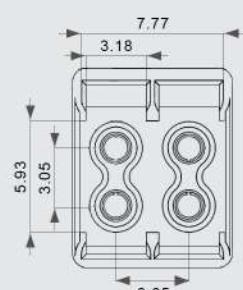
## Quick and Simple Polarity Reversal

The polarity reversal of the MDC connector is effortless and does not expose or twist delicate fibers during the process. To change polarity, pull the boot from the connector housing, rotate the boot 180 degrees, and reassemble the boot assembly back onto the connector housing. Polarity marks on the top and side of the connector and the MDC logo provide notification of reversed connector polarity.

Front View

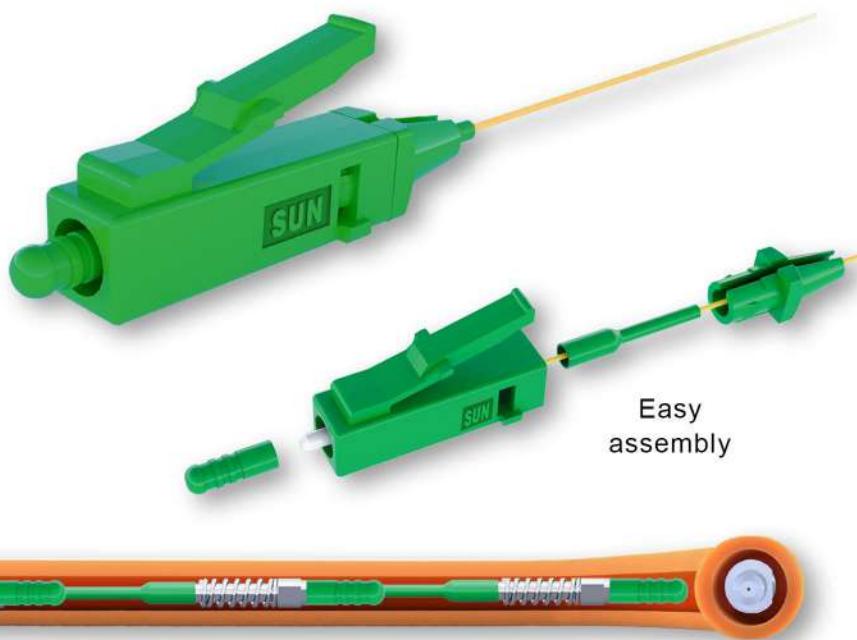


Side View



**Note:** All dimensions are in mm

## LC-WHOOSH CONNECTOR



SUN CONEC's LC-WHOOSH Connector is designed to be air-blown through micro-ducts for fast pre-connectorised FTTH drop applications. The connector's ferrule is blown through the duct before the outer housing and boot are assembled.

**Performance:**

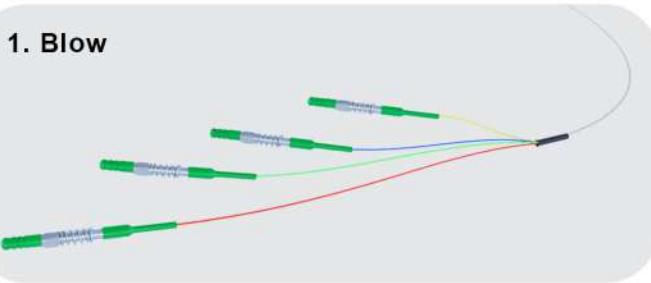
- **Fast Installation**  
Connector housing can be assembled in less than 15s.
- **Tensile strength**  
400N
- **High Performance**  
Unique design achieves and maintains Grade B optical performance.
- **User-Friendly**  
reel packaging is convenient to access and install.
- All products can meet random mated grade B. (IEC 61300-3-34)

## OPTICAL DATA

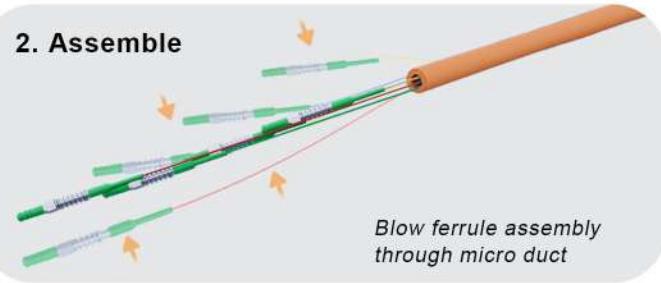
	Value
Single-core Outer Diameter	≤ 2.5mm
Combined Outer Diameter Of 4 LC Connectors	≤ 3.0mm
Pass Through A Minimum Inner Diameter	≥ 4.0mm
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## HOW TO INSTALL

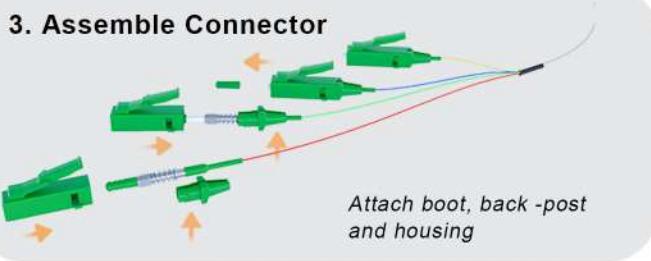
## 1. Blow



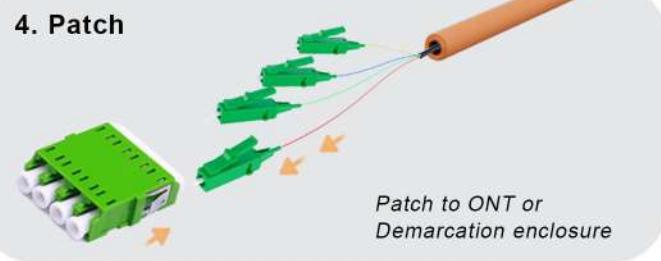
## 2. Assemble



## 3. Assemble Connector



## 4. Patch



Super fast, high performance connector for FTTH DUCT and DROP applications.

## LC-ENT CONNECTOR



## Performance:

- **Fast Installation**  
Easy and fast assembly without special tool.
- **High Performance**  
Unique design achieves and maintains Grade B optical performance.
- **User-Friendly**  
reel packaging is convenient to access and install.
- **Cost effective.**
- **Easy handling after termination due to connectorization directly to cable.**
- All products can meet random mated grade B.  
(IEC 61300-3-34)

## Compatible with tubes of ID: 5mm

**Fast Installation**

connector housing can be assembled in less than 10s

**Tensile Strength**

100N  
(with pulling connector)

**High Performance**

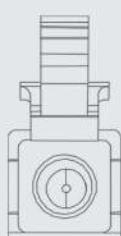
Unique design achieves **Grade B** optical performance

## OPTICAL DATA

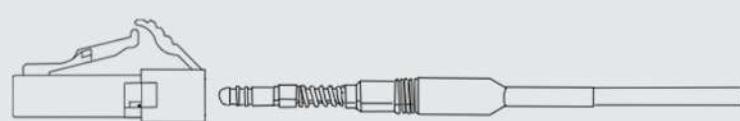
	Value
Outer Diameter	≤ 2.5mm
Inner Diameter	≤ 3.0mm
Interstion Loss dB	Typical ≤ 0.3
Return Loss	Typical ≥ 45
Operating Temperature	-40~+75oC
Humidity Resistance	95%
REACH Compliance	Yes
Qualification	TIA/EIA 568-B.3

## 1-CHANNEL CONNECTOR DRAWING

Front View



Side View



**Note:** All dimensions are in mm

## WEATHERPROOF CONNECTOR



The Weatherproof Connector is SUN CONEC's flagship connectivity solution designed for outdoor applications and harsh environments. The high optical performance is paired with ergonomic mechanics for quick and easy installations.

**Performance:**

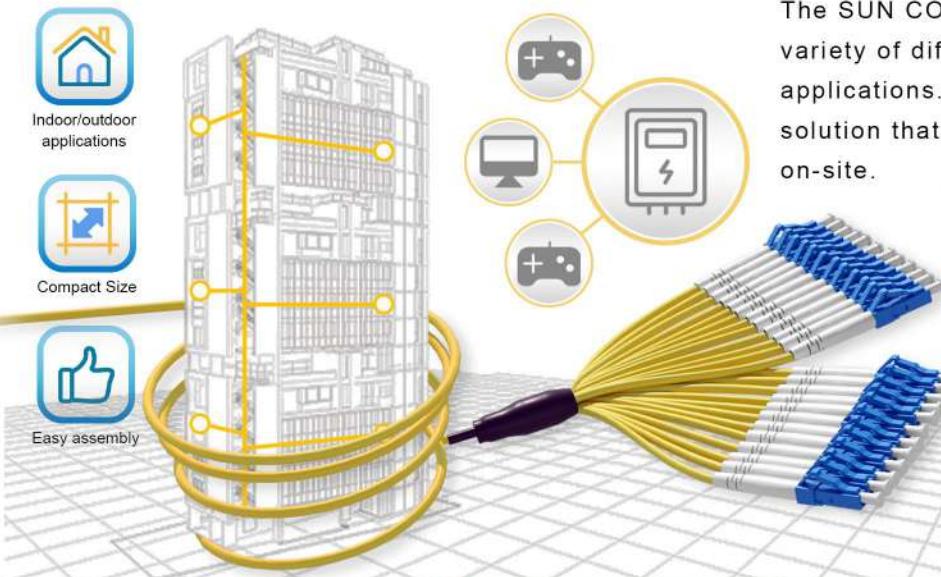
- IP water immersion and dust protection for harsh environment.
- Cost effective solution for in house termination.
- Chemical Resistance.
- Easily adapts to both wall-penetration and butt-joint applications.
- The spiral bayonet design provides a lasting and reliable connection.

## OPTICAL DATA

TYPICAL CHARACTERISTICS	LC		SC		MPO		MPO(PUSH-PULL)	
	SM	MM	SM	MM	SM	MM	SM	MM
Interstion Loss(Max)	0.2dB	0.2dB	0.2dB	0.2dB	0.35dB	0.3dB	0.7dB	0.5dB
Interstion Loss(Average)	0.08dB	0.1dB	0.08dB	0.1dB	0.1dB	0.08dB	0.2dB	0.1dB
Return Loss	55dB	NA	55dB	NA	60dB(Angle)	25dB(Flat)	60dB(Angle)	25dB(Flat)
Durability	50matings							
Operating Temperature	-40°~+75°							
IP Rating	IP-68							
Pull Force	100lbs							
Material	UV resistant							

	PICTURE	ENGINEERING DRAWING
Docking Status		
State Switching Process		
Wall-Penetration Status		

## INDOOR RC FAN-OUT KIT



The SUN CONEC Indoor fan-out range offer a variety of different layout options for most indoor applications. They are cost effective, time saving solution that eliminates the need for splicing on-site.

**Performance:**

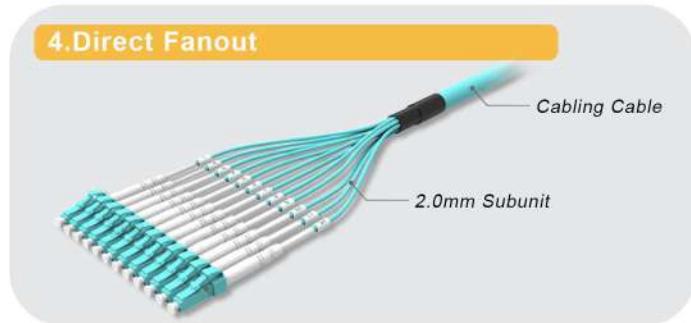
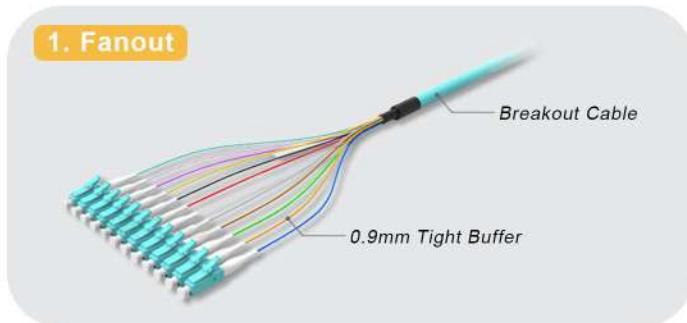
- For indoor breakout application.
- Light Weight, Snap-together Molded Construction.
- Maximum Fan-Outs According to Media Type(x48).
- High performance low loss.
- Chemical Resistance.

## OPTICAL DATA

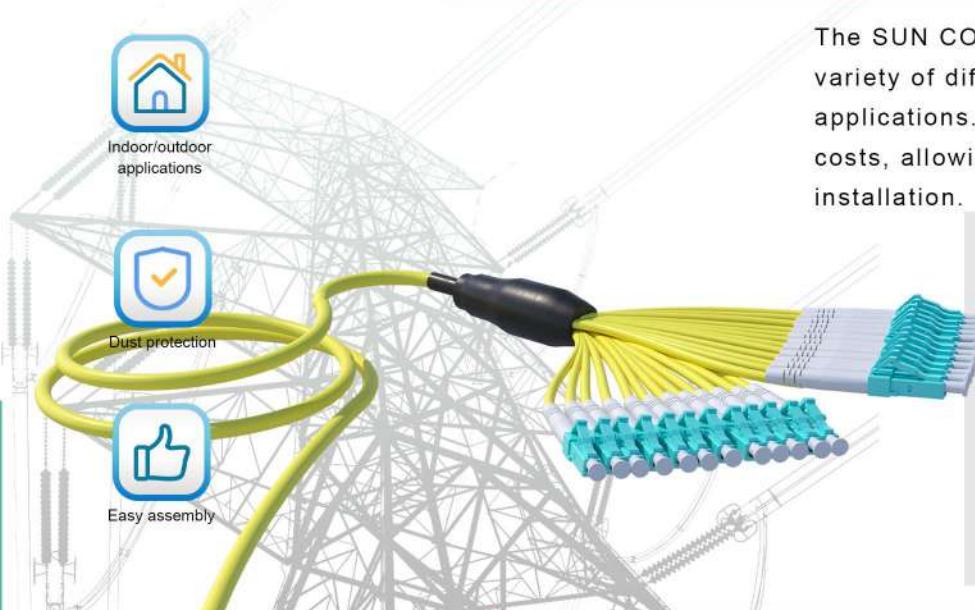
## SPECIFICATIONS

Mounting	Hose Clip / Cable Tie
Number of Fibers	12 to 228 (Note: According to Media Type 2.0mm or 900um)
Suitable for Connector Types	LC, SC, FC, ST, MU
Dimensions	56mm x 15mm (Excluding cable gland)
Feeder Cable OD range	2-6mm
Operating Temperature (°C )	-40 to +85
Fan-out cable Retention	>15lbs (>66N)
Feeder Cable Retention	100lbs (450N)

## BRANCH STRUCTURE DISPLAY



## OUTDOOR FAN-OUT KIT



The SUN CONEC Outdoor fan-out range offer a variety of different layout options for most indoor applications. They enable less cabling and lower costs, allowing for quick and cost-effective installation.

**Performance:**

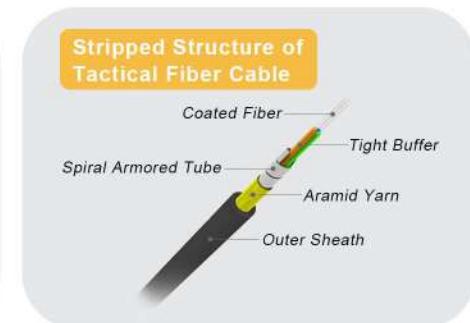
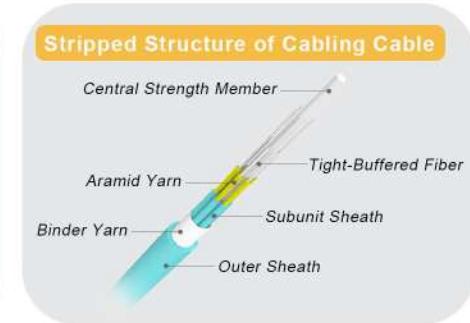
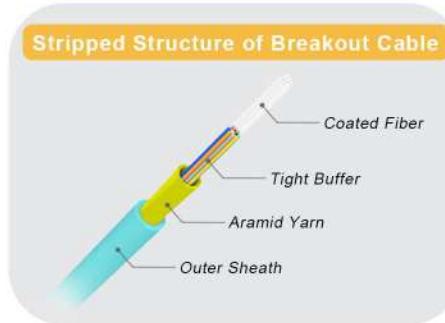
- For outdoor breakout application.
- Helps to make installation simple, quick, and cost effective.
- UV resistance for outdoor applications.
- High performance low loss.
- Chemical Resistance.

## OPTICAL DATA

## SPECIFICATIONS

Mounting	Hose Clip / Cable Tie
Number of Fibers	12 to 228 (Note: According to Media Type 2.0mm or 900um)
Suitable for Connector Types	LC, SC, FC, ST, MU
Dimensions	56mm x 15mm (Excluding cable gland)
Feeder Cable OD range	2-6mm
Operating Temperature (°C)	-40 to +85
Fan-out cable Retention	>15lbs (>66N)
Feeder Cable Retention	100lbs (450N)

## BRANCHING METHOD



**SUN CONEC**

**-Singapore & Malaysia-**

# **MPO/MTP**

## **Connector**



▪ Connector performance	pg.27
▪ Product naming, Standard Patch cable structure	pg.28
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▪ MPO-LC (12-core) connectors	pg.34
▪ MPO-LC/UNIBOOT (12-core) connectors	pg.35

## Insertion Loss (IL) and Return Loss (RL)

Optical Performance		SM/APC	MM/APC	SM/UPC	MM/UPC
IL (dB)	Standard	0.7	0.7	0.7	0.7
	Low Insertion Loss	0.35	0.35	0.35	0.35
RL (dB)	Standard	60	40	50	20
	High Return Loss	65	45	55	25

## Fiber Endface Geometry Comparison

MTP Single Mode/Multimode							
Measurements Parameters			Limits				
			Minimum		Maximum		
ROC	X-ROC		2000mm(Convex) -10000mm(Concave)		N/A		
	Y-ROC		50mm		N/A		
Angle	X-Axis		-0.15°		0.15°		
	Y-Axis	APC	7.8°		8.2°		
		Flat	-0.2°		0.2°		
Fiber Height			1100nm		3000nm		
Diff.Height			N/A		500nm		
Adj.Height			N/A		300nm		
Ferrule Length	PC		7.8mm		N/A		
	APC		7.9mm		N/A		
Core Dip			/		120mm		
Geometry Limit(N)			N/A		22.6(4 Fiber)		
					17.9(8 Fiber)		
					17.4(12 Fiber)		
Minus Side Coplanarity (nm)		APC/PC	N/A		400		
Fiber Tip Spherical Radius (mm)		APC/PC	1		∞		

## OPTICAL PATCHCORD

## CODE STANDARDS

										MP-SCA-S-09-Z-A			
A-SIDE CONNECTOR TYPE		B-SIDE CONNECTOR TYPE		CORE COUNT		OUTER DIAMETER		MATERIALS		OPTICAL FIBER TYPE			
MP	MPO	MP	MPO	S	single-core	09	0.9	Z	LSZH	A	G652D		
MT	MTP	MT	MTP	D	dual-core	12	1.2	V	PVC	B	G657A1		
MJ	MTRJ	MJ	MTRJ	M	multi-core	20	2.0	O	OFNP	C	G657A2		
						30	3.0			D	G657B3		
										E	G655		
										F	OM1		
										G	OM2		
										H	OM3-150		
										J	OM3-300		
										K	OM4		
										L	OM5		

**Note:** Custom lengths available to meet your requirements.

## STANDARD PATCH CORD STRUCTURE

## MPO POLARITY &amp; CABLE TYPES REFERENCE CHART

Feature	Type A (straight-Through)	Type B (Cross-Over / Reversed)	Type C (Pair-Flipped)
Core Definition	Fiber positions are identical on both ends.	Fiber positions are completely reversed end-to-end.	Adjacent fiber pairs are crossed within the cable.
Key/Keyway Orientation	One end key up, the other key down (Pinned to Unpinned).	Same key orientation on both ends (e.g., KeyUp to Key Up).	One end key up, the other key down (Pinned to Unpinned).
Pin-Polish Illustration	1→1, 2→2, ..., 12→12	1-12, 2→11..., 12-1	1→2, 2→1, 3→4, 4→3, ...
Typical Application	Trunk Cables	Trunk Cables	Fanout / Breakout Cables
Common Jacket Color	Black or Grey	Aqua	Yellow
Usage Guide	Connects equipment/modules of the same type.	Connects equipment/modules of the same type.	Breaks out a trunk cable to individual device ports.

## CONNECTOR BOOT COLOR



Green

Yellow

Aqua

Violet

Lime Green

## MPO CONNECTOR

## CODE STANDARDS



MPO Connector

MO12-GN-20-BU

CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
MO12 12-fibre MPO connector	BU BLUE	20 2.0 Standard	GN GREEN
MO16 16-fibre MPO connector	GN GREEN	30 3.0 Standard	BU BLUE
MO24 24-fibre MPO connector	BG BEGI		BG BEGI
	AQ AQUA GREEN		AQ AQUA
			BK BLACK

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- The dimensional design complies with IEC 61754-7.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

## OPTICAL DATA

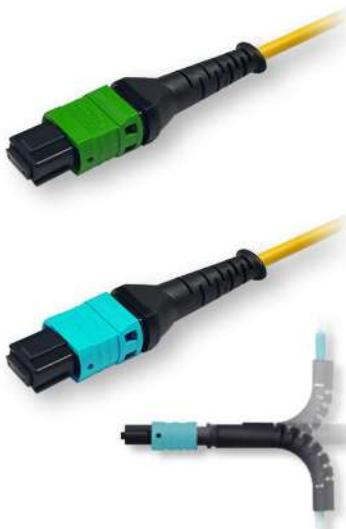
## Ferrule Performance

Entry	Parameter			
	Ferrule Type	End-face Type	Insertion Loss	
			Typical Value	Maximum
Single-mode Low-loss	Single-mode Standard Loss	APC 8° Angle	0.10dB	≤0.35dB
Multimode Low-loss			0.25dB	≤0.75dB
Multimode Standard Loss	PC	PC	0.10dB	≤0.35dB
Mating Cycles			Insertion loss change < 0.2 dB over 50 mating cycles.	
Operating Temperature			-40~75°C	

ADAPTED CABLE OD	BOOT TYPE	PICTURE	ENGINEERING DRAWING
0.9 mm Simplex	Standard Boot		
3.0 mm Simplex	Standard Boot		
4.0 mm Simplex	Flat Boot		

## MPO(PUSH-PULL) CONNECTOR

### CODE STANDARDS



MPO(PUSH-PULL) Connector

**MO12-GN-20-BU**

CONNECTOR	ENCLOSURE COLOR	BOOT TYPE(mm)	BOOT COLOR
MO12 12-fibre MPO connector	BU	BLUE	GN GREEN
MO16 16-fibre MPO connector	GN	GREEN	BU BLUE
MO24 24-fibre MPO connector	BG	BEGI	BG BEGI
	AQ	AQUA GREEN	AQ AQUA GREEN
			BK BLACK

**Performance:**

- High precision guide pins for exact alignment.
- Compact design, up to 24 fiber ribbons.
- IEC 61754-7 Compliant.
- Telcordia GR-1435-CORE compliant.
- Polishing does not require diamond film.
- Removable Housing.
- Flex angle boot and other boot styles.
- Spring Push with Slit for easier assembly.

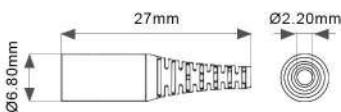
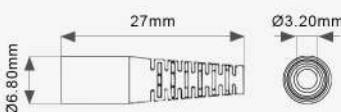
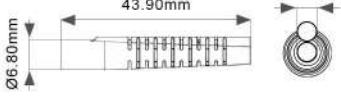
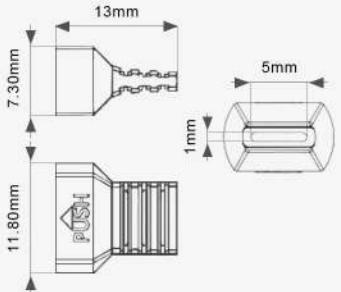
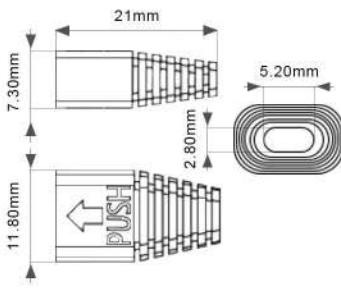
## OPTICAL DATA

PARAMETERS	SINGLE-MODE		MULTIMODE			
	APC		MM			
	LOW LOSS	STANDARD	LOW LOSS	STANDARD		
Typical Insertion Loss (dB) 12-fber	0.10	0.20	0.08	0.15		
Max Insertion Loss (dB) 12-fber	0.25	0.70	0.25	0.50		
Typical Insertion Loss (dB) 24-fber	0.15	0.25	0.15	0.20		
Max Insertion Loss (dB) 24-fber	0.35	1.00	0.35	0.50		
Typical Insertion Loss (dB) 16-fber	0.15	N/A	0.15	0.20		
Max Insertion Loss (dB) 16-fber	0.35	N/A	0.35	0.60		
Typical Insertion Loss (dB) 32-fber	N/A	N/A	N/A	0.25		
Max Insertion Loss (dB) 32-fber	N/A	N/A	N/A	0.60		
Typical Return Loss (dB)	≥60		≥25			
Operating Temperature (°C)	-40 to +75					
Durability	500 matings per TIA-568.3					

**Note:**

1. All insertion loss values are based on the performance of a single fiber.
2. 95% of the single-mode low-loss and multimode low-loss fibers shall have a maximum insertion loss of 0.25 dB.
3. For 24-fiber Single-Mode, standard 10N spring force is used.
4. For 16-fiber Multimode, standard 10N spring force is used.
5. For 32-fiber Multimode, standard 20N spring force is used.

## // ORDERING INFORMATION

BOOT TYPE	CABLE BOOT TYPE	PICTURE	ENGINEERING DRAWING
2.0mm Round Boot	2.0mm Mini Round Cable		 27mm Ø6.80mm Ø2.20mm
3.0mm Round Boot	3.0mm Mini Round Cable		 27mm Ø6.80mm Ø3.20mm
3.0mm Flexible Boot	3.0mm Mini Round Cable		 43.90mm Ø6.80mm Ø3.20mm
Bare Ribbon Boot	Bare Fiber Ribbon		 13mm 7.30mm 11.80mm 5mm 1mm
Ribbon Cable Boot	Ribbon Cable		 21mm 7.30mm 11.80mm 5.20mm 2.80mm

## SN-MT CONNECTOR

SN-MT16 SM Connector  
APC for up to 2 mm CableSN-MT16 SM Connector  
APC with 44 mm Boot

SUN CONEC's SN-MT is an extension of the SN range and incorporates a single, compact SN-MT ferrule with 16 x 200  $\mu\text{m}$  fibers in a single row. Subsequently, the SN-MT ferrule can achieve 2.7 times the density of MPO16 whilst leveraging the same proven alignment methods. This combination ensures low-loss performance for singlemode and multimode APC applications whilst delivering optimized patch-panel density required in today's Hyperscale data centers.

## Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Same connector footprint as SN duplex.
- Insertion loss targeted 0.35dB max for SM.
- High-density trunks and patching.
- Push-pull boot.
- Hyperscale, edge, enterprise and colocation data centers.
- Effective size reduction compared to LC Duplex.
- Wide range of connector and adapter types for legacy upgrades or greenfield applications

## OPTICAL DATA

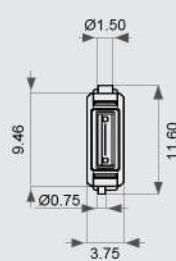
	Singlemode	Multimode
	APC	MM
	SM Premium Low Loss	Premium
Typical Insertion Loss (dB)	0.15	0.15
Max. Insertion Loss (dB)	0.35	0.35
Typical Return Loss (dB)	$\geq 60$	$\geq 45$
Ferrule Diameter ( $\mu\text{m}$ )	SN-MT ferrule 16-fiber, 200 $\mu\text{m}$ in a single row	

**Note:** Specifications provided are target only based on master grade jumper to low loss random mating test.

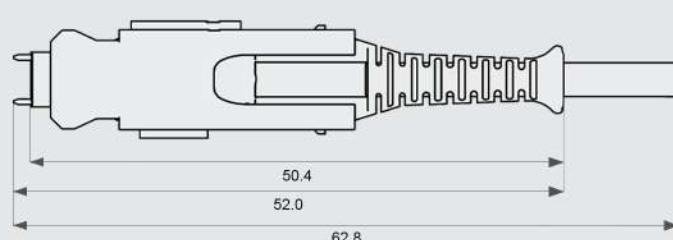
	Value
Operating Temperature	-40°C to + 75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

## SN-MT STANDARD DRAWING

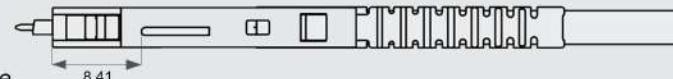
Front View



Side View



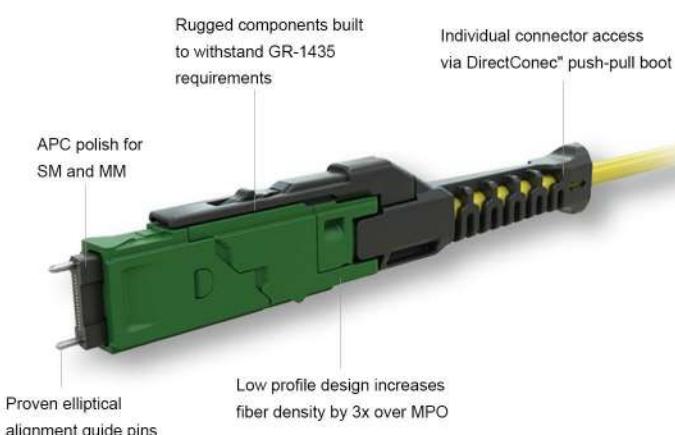
Top View



**Note:** 1. All dimensions are in mm

2. Specifications subject to change without notice

## // MMC CONNECTOR



SUN CONEC's MMC connector is a Very Small Form Factor (VSFF) multi-fiber optical connector designed for termination of single-mode and multimode fiber cables up to 2.5mm in diameter. The MMC connector employs novel TMT ferrule technology harmonized with the MT or MT-16 alignment structure. Individual connector access in the most extremely dense connector environments is easily accomplished using revolutionary DirectConec™ push-pull boot technology.

**Performance:**

- 3x cabling port density over the MPO format
- TMT Elite™ low-loss, IEC Grade B insertion loss performance (0.25dB 97% random intermate)
- Tested to Telcordia GR-1435
- 250  $\mu$ m pitch for compatibility with standard 250  $\mu$ m and smaller OD optical fibers
- APC for both SM and MM applications
- Cables up to 2.5mm OD

## // OPTICAL DATA

PARAMETERS	SINGLE-MODE
	APC
	LOW LOSS
Typical Insertion Loss (dB)	0.20
Max Insertion Loss (dB)	0.50
Typical Return Loss (dB)	$\geq 55$
Operating Temperature	-40°C to +75°C
Durability	500 matings

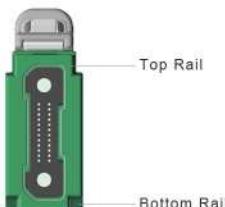
**Note:** 1. Parameters listed for Multimode are target values.

2. AirMT technology is licensed by Sumitomo Electric Industries, LTD.

3. Trademark of AirMT is jointly owned by Senko Advanced Components, inc, and Sumitomo Electric industries, LTD.

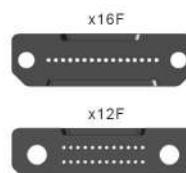
## FEATURES

## Simplified Polarity Management



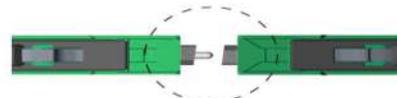
- Bottom rail features ensure connector is installed in correct polarity orientation.

## Proven Alignment Structure



- The TMT ferrule format is compliant with the IEC 61755 and 61754 precision alignment structure for MT Ferrules.

## Angle End-FaceMating



- MMC solutions enable Low Loss, IEC Grade B insertion loss performance and are APC for superior return loss.

## High Density Footprint



1U Panel Max Density with (66) 4-port MMC Adapters	
16F MMC	4224 Fibers
24F MMC	6336 Fibers

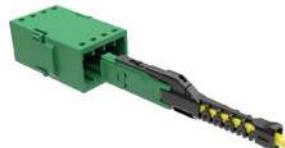
- The MMC connector with DirectConec™ Push-Pull Boot enables functional high density applications.

## Error-Free Assembly



- The TMT ferrule is keyed to the MMC housing for error-free assembly

## MMC Engagement Length



- Long engagement length of precision features ensures mated ferrule stability, allowing a single latch design for maintaining industry standard 250um pitch optical interface.

## MPO-LC (12-CORE)

## CODE STANDARDS

MP-SCA-S-09-Z-A

A-SIDE CONNECTOR TYPE	B-SIDE CONNECTOR TYPE	CORE COUNT	FANOUT DIAMETER	MATERIALS	OPTICAL FIBER TYPE						
MP	MPO	LCU	LC/UPC	S	simplex	0.9	0.9	Z	LSZH	A	G652D
MT	MTP	LCA	LC/APC	D	duplex	12	1.2	V	PVC	B	G657A1
MJ	MTRJ					16	1.6	O	OFNP	C	G657A2
						20	2.0			D	G657B3
						30	3.0			E	G655
										F	OM1
										G	OM2
										H	OM3-150
										J	OM3-300

**Note:** Custom lengths available to meet your requirements.

## MPO-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



Mini-Cable / Ribbon Cable with (Breakout Cable) 2.0/3.0mm Furcation



Mini-Cable / Ribbon Cable with (Breakout Cable) 0.9mm Furcation



MPO/MTP-0.9mm Furcation

## OPTICAL DATA

Connector A	MPO	Connector B	LC
Patch Cord Type	Trunk/Branch Patch Cord	Fiber Count	2-72 Core
MPO Loss Grade	Standard Loss / Low Loss	Ferrule End-Face Type	Single-Mode APC / Multimode PC
IL (Typical Value)	0.1/0.2dB	RL (return loss)	≥20dB (MM) ; ≥60dB
RL (return loss)	≥20dB (MM) ; ≥60dB (SM)	IL (Max.)	0.35/0.6dB
Cable OD	3.0/3.5/4.5/5.0mm	Fiber Type	G657A1/OM3/OM4/OM5
Cable Material	LSZH/PVC	Durability	≥ 500 cycles
Operating Temperature	-10~70°C (14to158°C)	Storage Temperature	-40~852°C (-40to185°C)

BRANCH TYPE	PICTURE	ENGINEERING DRAWING
Even Length		
Staggered Length		

## // MPO-LC/UNIBOOT (12-CORE)

## CODE STANDARDS

MP-SCA-S-09-Z-A											
A-SIDE CONNECTOR TYPE		B-SIDE CONNECTOR TYPE		CORE COUNT		OUTER DIAMETER		MATERIALS		OPTICAL FIBER TYPE	
MP	MPO	UN	UNIBOOT	S	simplex	20	2.0	Z	LSZH	A	G652D
MT	MTP			D	duplex	30	3.0	V	PVC	B	G657A1
MJ	MTRJ							O	OFNP	C	G657A2
										D	G657B3
										E	G655
										F	OM1
										G	OM2
										H	OM3-150
										J	OM3-300

**Note:** Custom lengths available to meet your requirements.

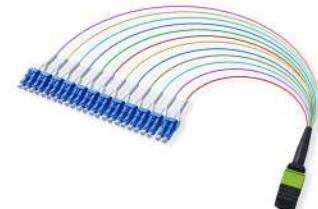
## MPO-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



Ribbon Cable to MPO-LC/UNIBOOT  
2.0-3.0mm Sleeve Fanout



Ribbon Cable to MPO-LC/UNIBOOT  
0.9mm Sleeve Fanout



MPO-LC/UNIBOOT 0.9mm Furcation

## // OPTICAL DATA

Connector A	MPO	Connector B	LC-UNIBOOT
Patch Cord Type	Trunk/Branch Patch Cord	Fiber Count	2-72 Core
MPO Loss Grade	Standard Loss / Low Loss	Ferrule End-Face Type	Single-Mode APC / Multimode PC
IL (Typical Value)	0.1/0.2dB	RL (return loss)	≥20dB (MM) ; ≥60dB
RL (return loss)	≥20dB (MM) ; ≥60dB (SM)	IL (Max.)	0.35/0.6dB
Cable OD	3.0/3.5/4.5/5.0mm	Fiber Type	G657A1/OM3/OM4/OM5
Cable Material	LSZH/PVC	Durability	≥ 500 cycles
Operating Temperature	-10~70°C (14to158°C)	Storage Temperature	-40~852°C (-40to185°C)

BRANCH TYPE	PICTURE	ENGINEERING DRAWING
Even Length		
Staggered Length		

**SUN CONEC**

**-Singapore & Malaysia-**

# **FAST FIBER CONNECTOR**



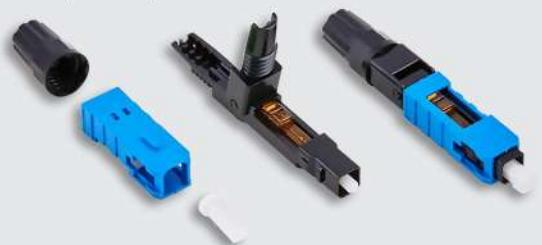
▪ SC fast fiber connector	pg.39
▪ SC fast fiber connector-drawer	pg.40
▪ SC fast fiber connector- routine series	pg.41-42
▪ SC fast fiber connector-LX	pg.43
▪ LC fast fiber connector	pg.44
▪ FC fast fiber connector	pg.44
▪ LC hot melt connector	pg.44
▪ SC hot melt connector	pg.45
▪ FC hot melt connector	pg.45
▪ Optical fiber cold splice	pg.45
▪ Waterproof connector series: optitap SC fast connector type	pg.46-48

SC FAST FIBER CONNECTOR-W (Series)

LX-W01 (60mm) - APC



LX-W01(60mm)-UPC



LX-W02(53mm) - APC



LX-W02(53mm)-UPC



JIG FUNCTION



Fixed Length



Fixed Length



Optical Fiber Coating Can Be Peeled Off



SC FAST FIBER CONNECTOR-R (Series)

LX-R03(53mm)-APC



LX-R03(53mm)-UPC



JIG FUNCTION



Fixed Length



Fixed Length



Optical Fiber Coating Can Be Peeled Off



SC FAST FIBER CONNECTOR-R (Series)

LX-R04(50mm)-APC



LX-R04(50mm)-UPC



Fixed Length

LX-R05(50mm)-APC



LX-R05(50mm)-UPC



Fixed Length

LX-R06(50mm)-APC



LX-R06(50mm)-UPC



Optical Fiber Coating Can Be Peeled Off

LX-R19(45mm)-APC



LX-R19(45mm)-UPC



Optical Fiber Coating Can Be Peeled Off

LX-R20(51mm)-APC



LX-R20(51mm)-UPC



LX-R21(53mm)-APC

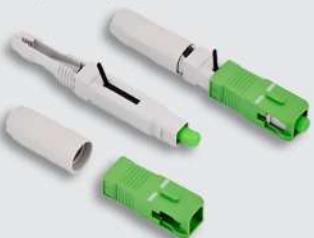


LX-R21(53mm)-UPC



SC FAST FIBER CONNECTOR-Z (Series)

LX-Z31(53mm)-APC



LX-Z31(53mm)-UPC



Fixed Length

LX-Z32(53mm)-APC



LX-Z32(53mm)-UPC



Optical Fiber Coating Can Be Peeled Off

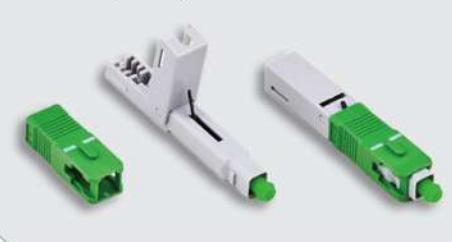
LX-Z33(53mm)-APC



LX-Z33(53mm)-UPC



LX-Z34(53mm)-APC



LX-Z34(53mm)-UPC



LX-Z35(53mm)-APC



LX-Z35(53mm)-UPC



LX-Z36(53mm)-APC



LX-Z36(53mm)-UPC



## SC FAST FIBER CONNECTOR-T (Series)

LX-T13(53mm)(Gland type)-APC



LX-T13(53mm)(Gland type)-UPC



LX-T18(58mm)(Nut type)-APC



LX-T18(58mm)(Nut type)-UPC



Use the sharp comers to open the flap

## SC FAST FIBER CONNECTOR-G (Series)

LX-G55(55mm)-APC



LX-G55(55mm)-UPC



LX-G56(50mm)-APC



LX-G56(50mm)-UPC



### JIG FUNCTION



Fixed Length



Fixed Length

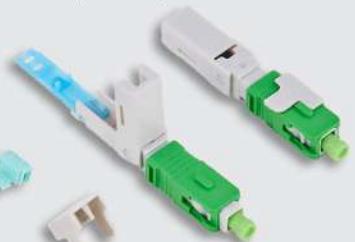


Optical Fiber Coating Can Be Peeled Off



SC FAST FIBER CONNECTOR-Drawer (Series)

LX-DR12-A(52mm)-APC



LX-DR12-A(52mm)-UPC



Optical Fiber Coating Can Be Pealed Of  
(Use the sharp corners to open the flap)

LX-DR12-B(52mm)-APC



LX-DR12-B(52mm)-UPC



Optical Fiber Coating Can Be Pealed Of  
(Use the sharp corners to open the flap)

LX-DR15(52mm)-APC



LX-DR15(52mm)-UPC



Optical Fiber Coating Can Be Pealed Of  
(Use the sharp corners to open the flap)

LX-DR16(52mm)-APC



LX-DR16(52mm)-UPC



Optical Fiber Coating Can Be Pealed Of  
(Use the sharp corners to open the flap)

LX-DR17(52mm)-APC



LX-DR17(52mm)-UPC



Optical Fiber Coating Can Be Pealed Of  
(Use the sharp corners to open the flap)

SC FAST FIBER CONNECTOR- Routine Series

LX-01-A(60mm)-APC



LX-01-A(60mm)-UPC



LX-01-B(60mm)-APC



LX-01-B(60mm)-UPC



Fixed Length

LX-01-C(55mm)-APC



LX-01-C(55mm)-UPC



LX-02-A(53mm)-APC



LX-02-A(53mm)-UPC



LX-02-B(53mm)-APC



LX-02-B(53mm)-UPC



LX-04-A(50mm)-APC



LX-04-A(50mm)-UPC



Optical Fiber Coating Can Be Peeled Off

LX-04-B(50mm)-APC



LX-04-B(50mm)-UPC



SC FAST FIBER CONNECTOR- Routine Series

LX-07-A(50mm)-APC



LX-07-A(50mm)-UPC



LX-09-A(52mm)-APC



LX-09-A(52mm)-UPC



Fixed Length

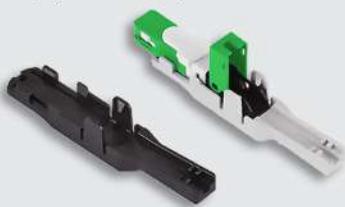
LX-09-B(52mm)-APC



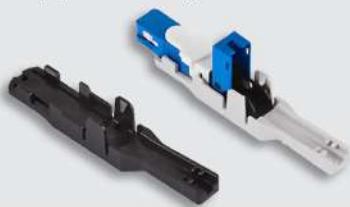
LX-09-B(52mm)-UPC



LX-09 (Operator Aids)



LX-09 (Operator Aids)



LX-10(50mm)-APC



LX-10(50mm)-UPC



LX-11-A(53mm)-APC



LX-11-A(53mm)-UPC



Optical Fiber Coating Can Be Peeled Off

## SC FAST FIBER CONNECTOR-LX-14

LX-14(52mm)-APC



LX-14(52mm)-UPC



### JIG FUNCTION



Fixed Length

## SC FAST FIBER CONNECTOR-LX-11-B

LX-11-B(52mm)-APC



LX-11-B(52mm)-UPC



### JIG FUNCTION



Use the sharp corners to open the flap

## LC FAST FIBER CONNECTOR-LC (Series)

LX-LC-A(44mm)-(DROP CABLE)-APC



LX-LC-A(44mm)-(DROP CABLE)-UPC



Fixed Length

LX-LC-D(45mm)-(GENERAL TYPE)-APC



LX-LC-D(45mm)-(GENERAL TYPE)-UPC



Optical Fiber Coating Can Be Peeled Off

LX-LC-E(47mm)-(ROUND CABLE)-APC



LX-LC-E(47mm)-(ROUND CABLE)-UPC



Optical Fiber Coating Can Be Peeled Off

LX-LC-F(44mm)-0.9MM (CABLE)-APC



LX-LC-F(44mm)-0.9MM (CABLE)-UPC



## FC FAST FIBER CONNECTOR-FC (Series)

LX-FC(55mm)-(Crocodile mouth type)-APC



LX-FC(55mm)-(Crocodile mouth type)-UPC



## LC HOT MELT CONNECTOR

RL09(0.9mm)-APC



RL09(0.9mm)-UPC



SC HOT MELT CONNECTOR

RS58(58mm)-APC



RS58(58mm)-UPC



RS09(0.9mm)-APC



RS09(0.9mm)-UPC



FC HOT MELT CONNECTOR

FC(55mm)-APC



FC(55mm)-UPC



OPTICAL FIBER COLD SPLICER

90mm-Optical fiber cold splice-Ceramic



90mm-Optical fiber cold splice-Metal



WATERPROOF CONNECTOR SERIES: **OPTITAP SC FAST CONNECTOR TYPE**

MINI SC-L02/APC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-L02/UPC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-L04/APC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-L04/UPC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-L09/APC (Field Installable Fast Waterproof Connector)2\*1.6,2\*3,2\*5mm



MINI SC-L09/UPC (Field Installable Fast Waterproof Connector)2\*1.6,2\*3,2\*5mm



MINI SC-L21/APC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-L21/UPC (Field Installable Fast Waterproof Connector)2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



MINI SC-G55/APC (Field Installable Fast Waterproof connector)5.0mm



MINI SC-G55/UPC (Field Installable Fast Waterproof connector)5.0mm



MINI SC-(Hot Melt)/APC 2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm connector)5.0mm



MINI SC-(Hot Melt)/UPC 2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



WATERPROOF CONNECTOR SERIES: **OPTITAP SC FAST CONNECTOR TYPE**

OPTITAP SC-L02/APC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



OPTITAP SC-L02/UPC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



OPTITAP SC-L04/APC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



OPTITAP SC-L04/UPC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



WATERPROOF CONNECTOR SERIES: **MINI SC FAST CONNECTOR TYPE**

OPTITAP SC-L09/APC (Field Installable Fast Waterproof Connector) 2\*1.6, 2\*3, 2\*5mm



OPTITAP SC-L09/UPC (Field Installable Fast Waterproof Connector) 2\*1.6, 2\*3, 2\*5mm



OPTITAP SC-L21/APC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



OPTITAP SC-L21/UPC (Field Installable Fast Waterproof Connector) 2.0, 3.0, 5.0, 2\*3, 2\*1.6, 2\*5mm



OPTITAP SC-G55/APC Field Installable Fast Waterproof connector) 5.0mm



OPTITAP SC-G55/UPC (Field Installable Fast Waterproof Connector) 5.0mm



WATERPROOF CONNECTOR SERIES: **OPTITAP SC FAST CONNECTOR TYPE**

OPTITAP SC-(Hot Melt)/APC 2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



OPTITAP SC-(Hot Melt)/UPC 2.0,3.0,5.0,2\*3,2\*1.6,2\*5mm



WATERPROOF CONNECTOR SERIES: **PREFABRICATED END - EFFICIENT TYPE**

MINI SC (Prefabricated End Waterproof Connector-Efficient Type)2\*3,2\*5mm



OPTITAP SC (Prefabricated End Waterproof Connector-Efficient Type)2\*3,2\*5mm



WATERPROOF CONNECTOR SERIES: **PREFABRICATED END- NORMAL STYLE**

MINI SC (Prefabricated End Waterproof Connector-Normal Type)5.0mm



MINI SC (Prefabricated End Waterproof Connector-Normal Type)2\*3,2\*5mm



**SUN CONEC**

**-Singapore & Malaysia-**

# **TERMINAL BOX**

▪ Terminal Box

pg.49-51

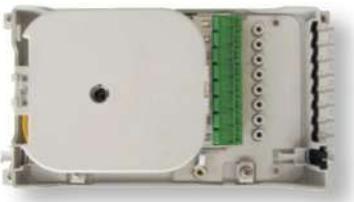
## TERMINAL BOX

NAME	PICTURE	COLOR: STANDARD ALLOY
FAB-HGT-16A		Black Alloy
FAT-8L		Gray-White Alloy
FAT-16L		Gray-White Alloy
FAT-16M/24M		Gray-White Alloy
FAT-HGT-8SX		Black / Light Gray Alloy
FAT-HGT-16QX		Black / Light Gray Alloy

## TERMINAL BOX

NAME	PICTURE	COLOR: STANDARD ALLOY
FAT-HGT-16SX		Black / Light Gray Alloy
FRB-4D		White Alloy
FAB-HGT-8ZSX		Gray-White Alloy
FAB-HGT-8ZT		Gray-White Alloy
FAB-HGT-8ZT-3		Gray-White Alloy
FAB-HGT-8ZX-4		Gray-White Alloy

## TERMINAL BOX

NAME	PICTURE	COLOR: STANDARD ALLOY
FAT-8T		White Alloy
FAT-16T		Gray-White Alloy
GFS-8QX		Black PP/GF
GFS-16QX		Black PP/GF