ADAPTER

FTTA

OPTICAL INTERCONNECT

FTTH

DATA CENTER

20

LC Standard Adapter

Description

LC Adapters are manufactured with PEI material. Non-welded design enhances the structure durability and decreases probability of breakdown. Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard compliance also gives reliability.

Features

- PEI requested for high intensity and chemical resistance. Its thermostability keeps non-flammable and high stability
- Snap-in connector design precises mechanical dimensions
- Reduce assembly time and simplifies training
- Reduces maintenance and creates consistent optical performance
- Stable performance
- Comply Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard

⊙ LC Simplex

⊙ LC Duplex
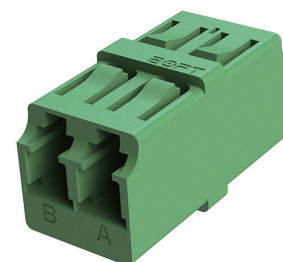
Applications

- Data communications
- FTTx deployments
- Optical measurement instruments
- Telecommunications
- 4G/LTE, 5G base station
- CATV

Blue	Aqua
Green	Erika Violet
Beige	Lime Green

| LC / SC Specification						
	Mode	Sleeve Type	Housing Type	Housing Color	Type	Standards	Other Requirement
LC	SM / APC MM	Zirconia Sleeve	Plastic Metal	Blue Beige Green Aqua Violet Lime green	Simplex Duplex Quad 8 Ports	IEC61754-20 IEC61754-4 TIA/EIA-604-10	*AA (Senior Senior) *AR (Senior Junior) AA SC type with Flange AA SC type Flangeless AR SC type with Flange AR SC type Flangeless AR type AA type SC Vertical type Inner Shutter
SC					Simplex Duplex Quad	JIS C5973 F04 EIA/TIA 604-3A IEC 60874-14-3 GR-326	With Flange Flangeless Shutter

LC SC Footprint Adapter
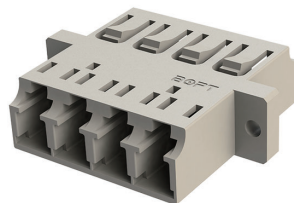
◉ LC SC Footprint Duplex Flange with Clip
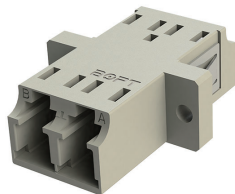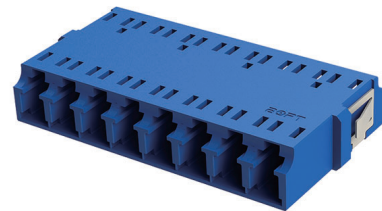
◉ LC SC Footprint Duplex Flangeless with Clip
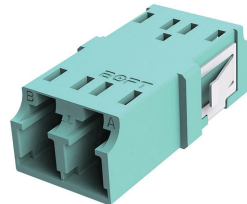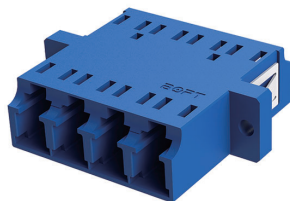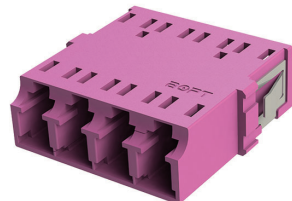
◉ LC SC Footprint Quad Flangeless
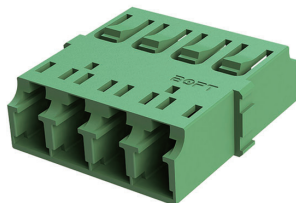
◉ LC SC Footprint Quad Flange

◉ LC SC Footprint 8 Port Flangeless with Clip

◉ LC SC Footprint Quad Flange with Clip

◉ LC SC Footprint Quad Flangeless with Clip

	Blue
	Green
	Beige
	Aqua
	Erika Violet
	Lime Green

Description

LC Adapters are manufactured with PEI material. Non-welded design enhances the structure durability and decreases probability of breakdown. Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard compliance also gives reliability.

Applications

• Data communications
• Telecommunications
• Optical measurement instruments
• FTTx deployments
• 4G/LTE, 5G base station
• CATV

Features

• PEI requested for high intensity and chemical resistance. Its thermostability keeps non-flammable and high stability
• Snap-in connector design precises mechanical dimensions
• Reduce assembly time and simplifies training
• Reduces maintenance and creates consistent optical performance
• Stable performance
• Comply Telcordia GR-326, IEC, RoHS2, REACH, UL94V-0 standard
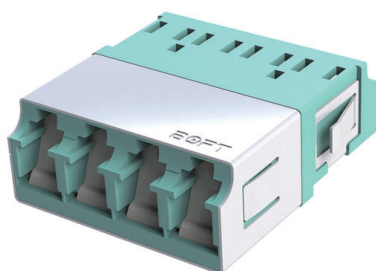• Premium quad/8 ports adapters satisfy high density demands

LC Inner Shutter Adapter

◉ LC Duplex

◉ LC Quad

	Blue		Erika Violet
	Beige		Lime Green
	Aqua		

Description

AOPT's LC Inner Shutter Adapter is designed for the lasers blocking and dust insulating with the returnable internal shutter which is easy for the LC connector insertion and extraction.

Features

- One-piece molding case, without welding
- Compatible with SC adapter footprint
- Protect eye exposure from laser light
- Block out external dust for interior protection
- The automatic opening and closing shutter for easily loading and unloading the LC connector

Applications

- Data communications
- Telecommunications
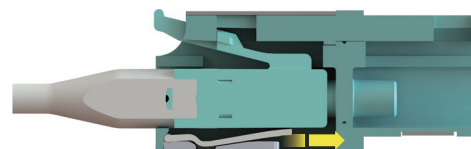- FTTx deployments
- 4G/LTE, 5G base station

Ultimate dust and laser protection

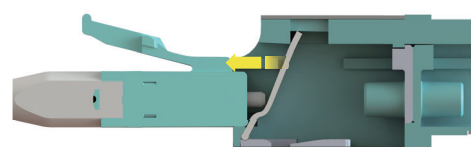**1.**
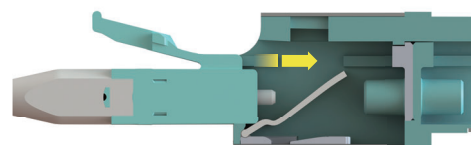
Internal shutter is open when inserted connector compressed the springs.

2.

Ferrule can be inserted into the adapter sleeve with ease.

3.

Internal shutter will automatically close when the connector is removed from the adapter.

SC Adapter

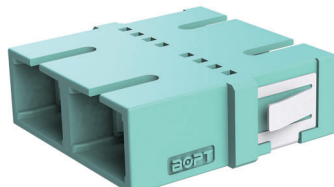◉ SC Simplex Flange with Clip   ◉ SC Simplex Flangeless with Clip
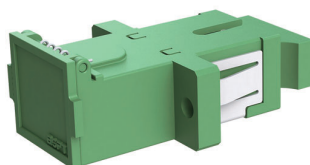
◉ SC Duplex Flange with Clip   ◉ SC Duplex Flangeless with Clip   ◉ SC 4 Port

◉ SC Shutter Flange with Clip   ◉ SC Shutter Flangeless with Clip
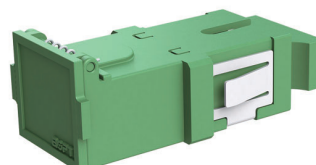
	Blue
	Green
	Beige
	Aqua
	Erika Violet
	Lime Green

Description

ACON OPTICS offers a broad range of SC one-piece adapters for simplex, duplex and quad. Adapters are available in plastic, with flangle or flangeless, and with metal chlip and come with zirconia sleeves.

Features

• Premium one-piece type
• High precision alignment
• Shutter adapter available

Applications

• Data communications
• Telecommunications
• Optical measurement instruments
• FTTx deployments
• 4G/LTE, 5G base station
• CATV

FC / ST Adapter

◉ FC D Type ◉ FC Double D Type ◉ FC Square Multi-Piece Type ◉ FC Square One-piece Type

FC Specification						
Mode	Sleeve Type	Housing Type	Type	Standard	Dust Cap Color	Other Requirement
SM / APC MM	Zirconia Sleeve	Metal	Simplex	JIS C 5970 F01 TIA / EIA-604-4 IEC61754-13	Green Clear Red	D type Double D type Double Ear D type One-Piece Square Mulit Piece Square

◉ ST Simplex ◉ ST Duplex

ST Specification						
Mode	Sleeve Type	Housing Type	Type	Standard	Dust Cap Color	Other Requirement
SM / APC MM	Zirconia Sleeve	Metal	Simplex Duplex	EIA / TIA-604-2 IEC61754-2	Yellow Black	With Flange Flangeless

MT-MPO **Pro** Adapter

PATENT PRODUCT
aconoptics.com
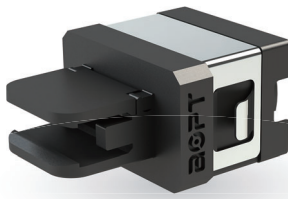
FLEXIBLE FLAP

High Compatibility

High Structural Strength

Simple Design

Best Solution

Description

ACON OPTICS (AOPT) is featuring a revolutionary MT- MPO PRO Adapter which has the flexible flap design making ease of connecting and disconnecting MT ferrules. It is the best solution for BTW and high density applications.

Features

- Hybrid adapter accommodates MT ferrule and MPO connector.
- One piece housing design without welding point enhances structure strength.
- Design makes connecting and disconnecting MT ferrule simple and straightforward.
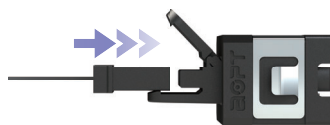- The best option for BTW application and high density solution.

Applications

- Data center application
- Multi-channels high speed connectivity
- WDM networks
- Telecommunications

Black		Aqua	
Blue		Erika Violet	
Green		Lime Green	
Beige			

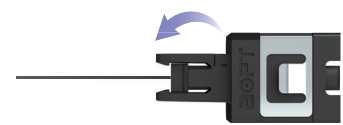## Instructions Guide

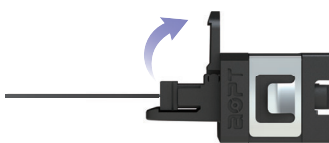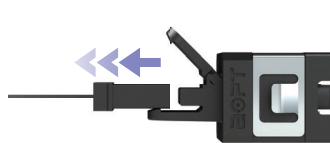|		
1 Open the flap	2 Insert the MT ferrule	3 Close the flap
4 Open the flap	5 Remove the MT ferrule	6 Done

MPO Adapter

◉ MPO Standard Adapter

◉ MT-MPO

◉ MPO SC Footprint Flange

◉ MPO SC Footprint Flangeless
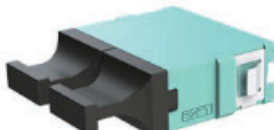

◉ MPO SC Footprint Flange with Clip

◉ MPO SC Footprint Flangeless with Clip

◉ MPO SC Footprint Duplex Flange

◉ MPO SC Footprint Duplex Flangeless with Clip

Description

ACON OPTICS singlemode or multimode MPO Connectors and Adapters are suitable for high-density back panel applications in data and telecommunications systems. Available in a variety of housing colors plus other options upon request.

Features

• Compliant to IEC and TIA standards
• Available in key-up to key-down and key-up to key-up
• High precision alignment
• Low insertion, high return loss and back reflection

Applications

• Data center application
• Multi-channels high speed connectivity
• WDM networks
• Telecommunications

■	Black	■	Aqua
■	Blue	■	Erika Violet
■	Green	■	Lime Green
■	Beige		

MPO Adapter Specification			
Adapter Type	Flange Type	Key Orientation	Housing Color
Standard Simplex SC Simplex Footprint SC Duplex Footprint MT-MPO Simplex	with Flange Flangeless	Aligned Opposed	Black Aqua Blue Green Beige Violet Lime green

SC / FC / LC / ST Hybrid Adapter

◉ SC-ST Hybrid
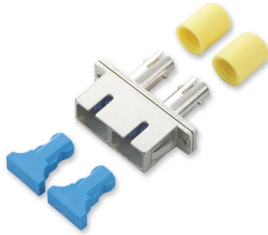
◉ SC-FC Hybrid

◉ SC-FC Hybrid

◉ SC-ST Hybrid

◉ LC-ST Hybrid

◉ LC-FC Hybrid

◉ SC-LC Hybrid

◉ FC-ST Hybrid

Description

ACON OPTICS offers a variety of hybrid adapters, including the FC, ST, SC, LC series. These Hybrid Fiber Adapters are available in simplex or duplex types and metal or plastic for housing option. They come with high precision alignment zirconia sleeves for reliability and better reconnectability and are widely used when connecting different types of fiber optic connectors together in a fiber optic link.

Features

• High-precision zirconia sleeve and mechanical dimensions
• Good reliability & stability
• Available in simplex and duplex types
• Available in metal and plastic housing

Applications

• Data communications
• Telecommunications
• FTTx deployments
• Optical measurement instruments
• 4G/LTE, 5G base station
• CATV

Hybrid Adapter Specification					
Connector 1	Connector 2	Sleeve Type	Type	Housing Type	Dust Cap Color
SC FC LC ST	SC FC LC ST	Zirconia Sleeve	Simplex Duplex	Metal Plastic	Blue Beige Black Clear Green Red Yellow