

ADAPTER



FTTA



OPTICAL INTERCONNECT

20



FTTH



DATA CENTER

LC

Micro LC Stackable Adapter	21
LC Stackable Adapter	22
LC Standard Adapter	23
LC SC Footprint Adapter	24
LC Inner Shutter Adapter	25

SC

SC Adapter	26
------------------	----

FC / ST / MTRJ

FC D / Double D Type Adapter	27
FC Square Type Adapter	27
ST Adapter	27
MTRJ Adapter	27

MPO

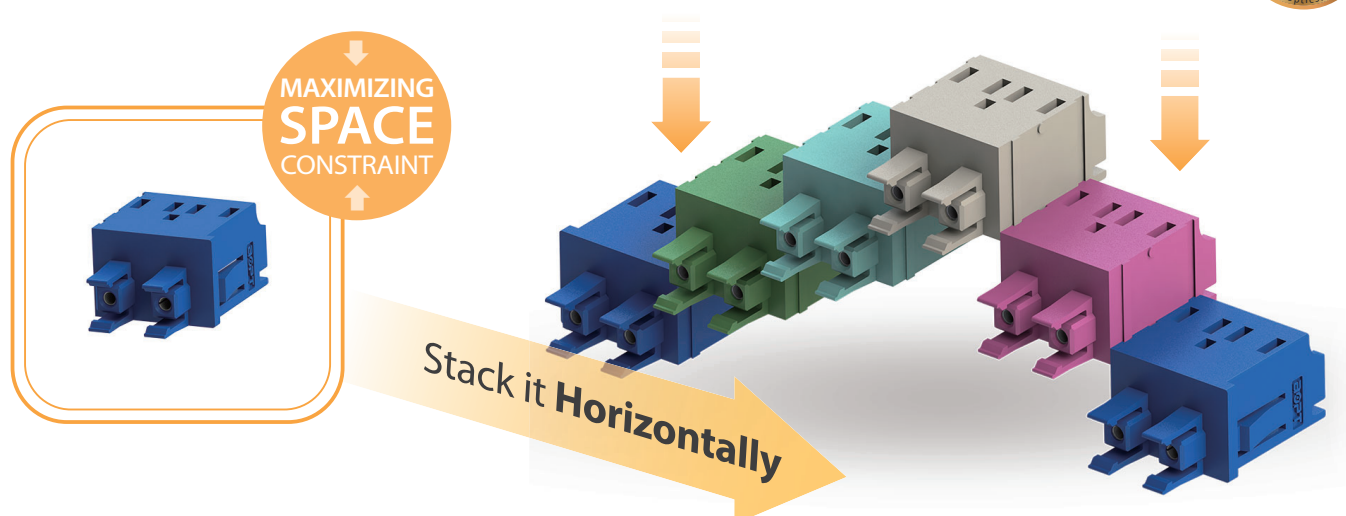
MT-MPO Pro Adapter	28
MPO Standard Adapter	29
MT-MPO Adapter	29
MPO SC Footprint Adapter	29

SC / FC / LC / ST

Hybrid Adapter	30
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Micro LC Stackable Adapter



Description

Introducing the new horizontally stackable Micro LC Adapters. The stackable design can effectively maximize your space to your customized application.

Applications

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

Features

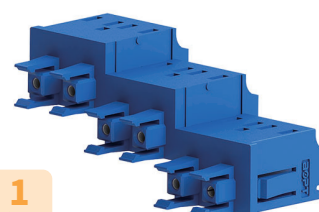
- Micro LC Adapter is a hybrid adapter which can accommodate micro LC connector and conventional LC connector.
- Compatible to conventional LC
- Remarkable increase in space on the back end panel and in small cassette.
- The best option for BTW application and high density solution.

Blue
Green

Stackable Hybrid Micro LC Adapters



1
Set



Maximizing Space Constraint

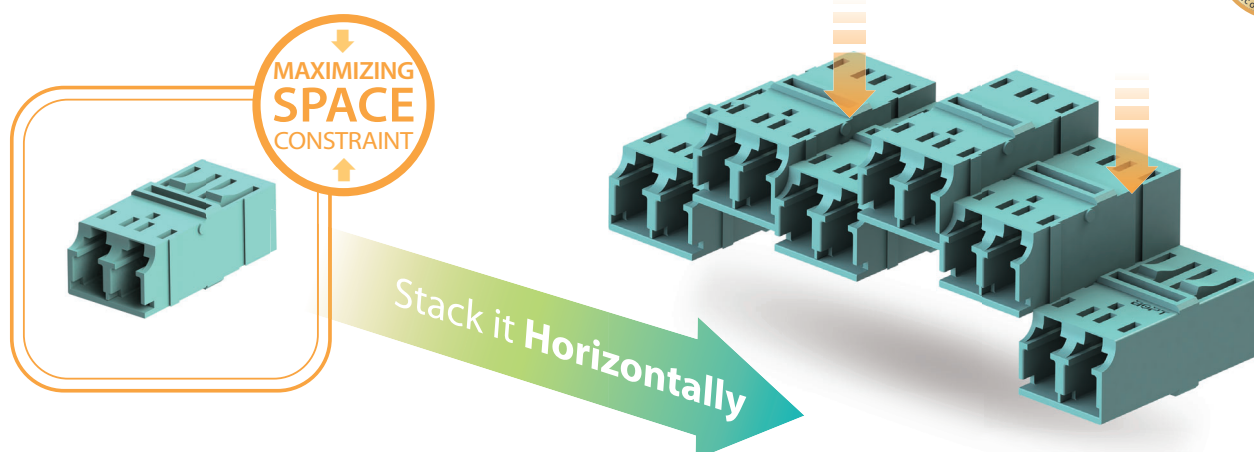


Maximizing Space

High Density Cassette with Micro LC Snap-in Connector and Stackable Adapter



LC Stackable Adapter



Description

Introducing the new horizontally LC Stackable Adapters. The stackable design can effectively maximize your space to your customized application.

Features

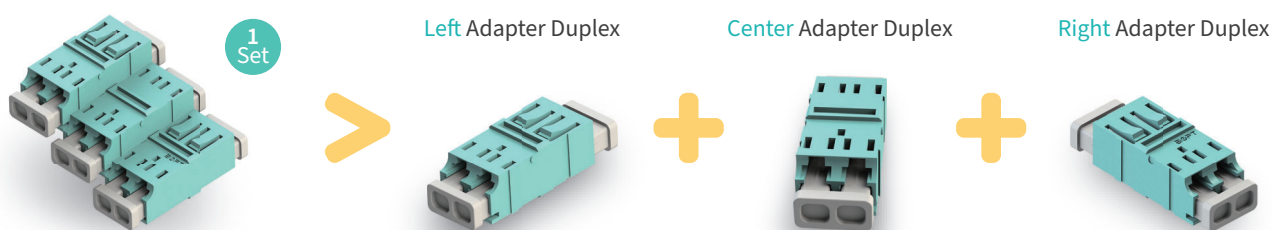
- Maximize space constraint for high-density solution
- One piece housing design without welding point enhances structure strength
- Snap-in design

Applications

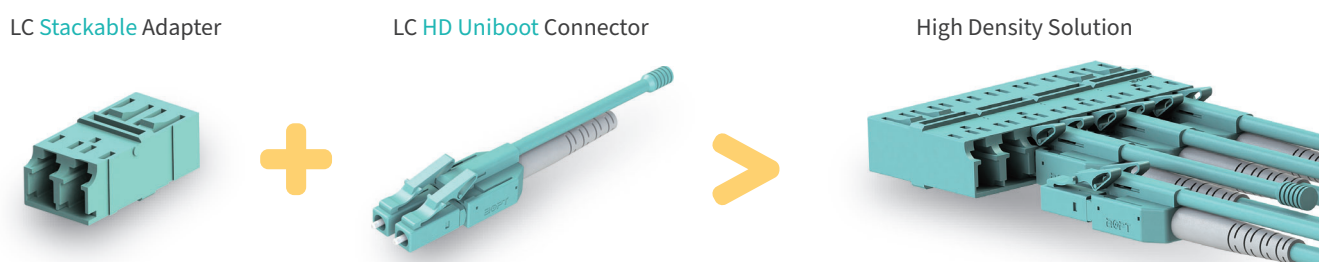
- Data communications
- Telecommunications
- Optical measurement instruments
- FTTx deployments
- 4G/LTE base station
- CATV

Blue	Aqua
Green	Erika Violet
Beige	Lime Green

LC Stackable Adapters



High Density Solution



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.

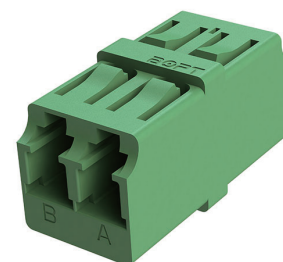
Features

- 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

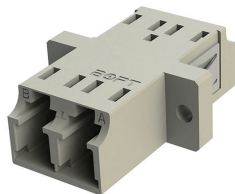
Blue	Aqua
Green	Erika Violet
Beige	Lime Green

LC / SC Specification

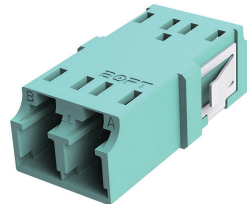
	Mode	Sleeve Type	Housing Type	Housing Color	Type	Standards	Other Requirement
LC	SM / APC MM	Zirconia Sleeve	Plastic Metal	Blue Beige Green Aqua Violet	Simplex Duplex Quad 8 Ports	IEC61754-20 IEC61754-4 TIA/EIA-604-10	*AA (Senior Senior) *AR (Senior Junior) AA SC type with Flange AA SC type Flangeless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

LC SC Footprint Adapter

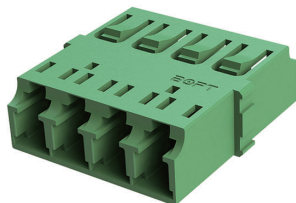
- LC SC Footprint Duplex Flange with Clip



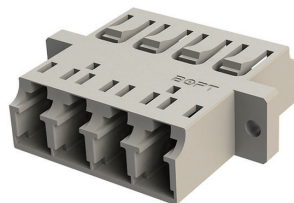
- LC SC Footprint Duplex Flangeless with Clip



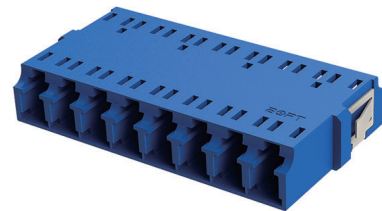
- LC SC Footprint Quad Flangeless



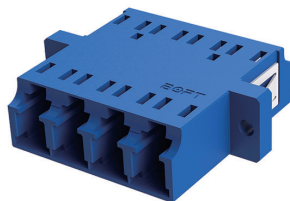
- LC SC Footprint Quad Flange



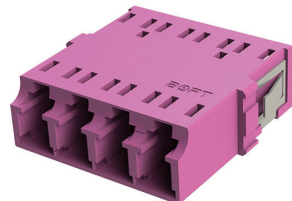
- LC SC Footprint 8 Port Flangeless with Clip



- 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

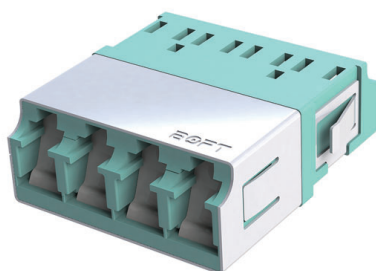


LC Inner Shutter Adapter

● 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

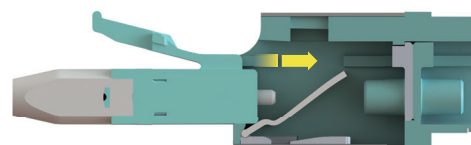
- One-piece molding case, without welding
- Compatible with SC adapter footprint
- Protect eye exposure from laser light
- Block out external dust for interior protection
- The automatic opening and closing shutter for easily loading and unloading the LC connector

Applications

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

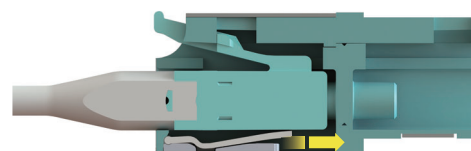
Ultimate dust and laser protection

1.



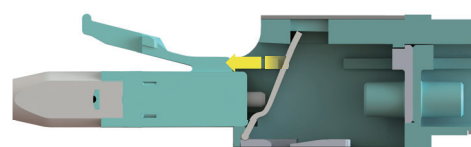
Internal shutter is open when inserted connector compressed the springs.

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



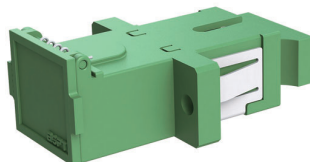
• SC Duplex Flangeless with Clip



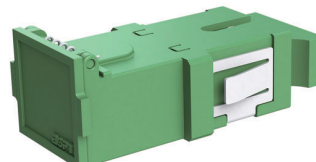
• SC 4 Port



• 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 flange or flangeless, and with metal clip 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 / MTRJ Adapter

● FC D Type



● FC Double D Type



● FC Square Multi-Piece Type



● FC Square One-piece Type



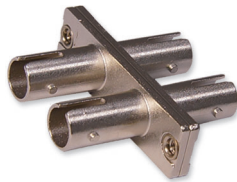
FC Specification

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 Mult Piece Square

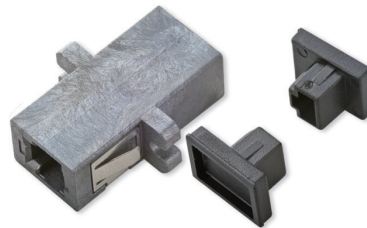
● ST Simplex



● ST Duplex



● MTRJ with Flange



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

MTRJ Specification

Type	Housing Type	Standard	Dust Cap Color	Other Requirement
Simplex	Plastic	IEC61754-1 TIA / EIA-604-12 GR326	Black	SC type With Flange Flangeless

MT-MPO Pro Adapter



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

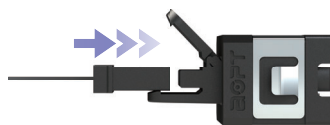
- Data center application
- Multi-channels high speed connectivity
- WDM networks
- Telecommunications

Black	Aqua
Blue	Erika Violet
Green	Lime Green
Beige	

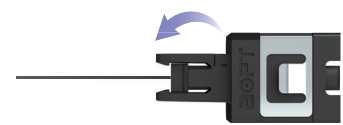
Instructions Guide



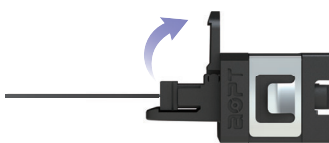
1 Open the flap



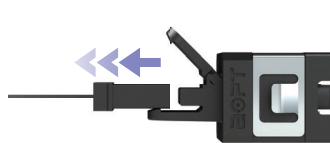
2 Insert the MT ferrule



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



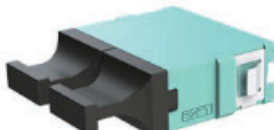
● MPO SC Footprint Flangeless with Clip



● 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

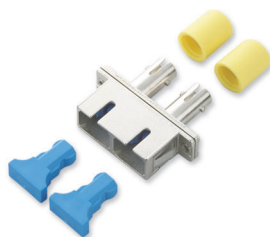
Black	Aqua
Blue	Erika Violet
Green	Lime Green
Beige	

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