



LEAD Fiber Optics PRODUCT CATALOGUE

FIBER ADAPTER

Fiber optic Adapter

Features

- Compliant with JIS, IEC, Bellcore
- Optical performance 100% factory test
- Ceramic or Phosphorous bronze Sleeve available
- Flanged or Threaded mounting hardware
- High precision alignment
- Low insertion loss
- Low back reflection
- Convenience and easy of handing

Applications

- Telecommunication
- CATV Networks
- Data Communication Networks
- Active device termination
- Instrumentation
- Local Area Network



Specifications

ITEM	VALUES
Insertion Loss	≤ 0.15 dB Typical (SM) ≤ 0.2 dB Typical (MM) ≤ 0.3 dB Typical (MTRJ MM)
Return Loss	> 40 dB (PC) > 60 dB(APC)
Temperature Range	$-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$
Durability	< 0.2 dB change after 500 matings

LEAD Fiber Optics Co.,Ltd.

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Fiber Adapter Ordering information

AD

XX / XX

XX

X

X

Adapter type(#1 #2)

11- ST Simplex
12- ST Duplex
21- FC Simplex
22- FC Simplex/APC
23- FC Square
24- FC D-hole
25- FC D-hole/APC
26- FC one-piece
27- FC one-piece/APC
31- SC Simplex
32- SC Duplex
33- SC Simplex/APC
34- SC Duplex/APC
35- SC Duplex H-type
36- SC 4-way(SC2)
41- LC Simplex
42- LC Duplex
43- LC Simplex/APC
44- LC Duplex/APC
51- MU Simplex
52- MU Duplex
53- MU 4-way
54- MU 8-way
61- MTRJ (Standard)
71- FDDI
81- MPO
E2- E2000
EA- E2000/APC
XX- Others ,please specify

Dust cap color

1- Blue
2- Green
3- White
4- Beige
5- Black
6- Red
X- Other Color

Housing color

1- Blue(Plastic)
2- Green(Plastic)
4- Beige(Plastic)
5- Black(Plastic)
9- Brown(Plastic)
M- Metal(Metal)
X- Others

Sleeve type

PS- Phosphor Bronze Singlemode
PM- Phosphor Bronze Multimode
Ce- Ceramic
No -For MTRJ

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LFO Fiber optic Adapter Series

ST Fiber optic Adapter



The ST fiber optic adapters are offered in MM or SM performances, for connectors with PC and APC polishing method. It is possible to exactly specify your demands concerning type of sleeve (phosphor bronze or ceramic) and adapter variant.

FC Fiber optic Adapter



The FC fiber optic adapters are offered in MM or SM performances, for connectors with PC and APC polishing method. It is possible to exactly specify your demands concerning keying slot width for APC adapters, type of sleeve (phosphor bronze or ceramic) and adapter performance: various shape of flange, Square Type, Solid Type, Rectangular Type, D-shaped Type, and Oval Type, etc.

SC Fiber optic Adapter



The SC fiber optic adapters are offered in MM or SM performances, for connectors with PC and APC polishing method. They are available in simplex and duplex configurations. It is possible to exactly specify your demands concerning type of sleeve (phosphor bronze or ceramic) and adapter variant (Duplex H-type, 4-way (SC2)).

FDDI Fiber optic Adapter



The FDDI fiber optic adapters are offered in MM performances. The FDDI adapters are available in duplex only. Integrated indexed sliding keyway accommodates all key position and eliminates need to remove and insert individual keys. It is possible to exactly specify your demands of mounting insert thread and FDDI key position.

LC Fiber optic Adapter



The LC fiber optic adapters are offered in MM or SM performances, for connectors with PC and APC polishing method. They are available in simplex and duplex configurations. It is possible to exactly specify your demands concerning type of sleeve (phosphor bronze or ceramic).

MU Fiber optic Adapter



The MU fiber optic adapters are offered in MM or SM performances. They are at least half the size of the standard SC adapter. They offer twice the port density, a new solution for high performance telecommunications networking. It is possible to exactly specify your demands concerning type of sleeve (phosphor bronze or ceramic).

MTRJ Fiber optic Adapter



The MTRJ (duplex) fiber optic adapters are offered in MM performances. They mate with one male (with guide pins) and one female (without guide pins) MT-RJ connector. At half the size of comparable duplex SC adapters, the MT-RJ adapters double the capacity of existing networking infrastructures.



MPO Fiber optic Adapter

The MPO fiber optic adapters are offered in MM or SM performances. It is used in high-density backplane and Printed Circuit Board (PCB) applications in data and telecommunications systems. They offer up to 12 times the density of standard connectors. The MPO adapters provide significant space and cost savings.



E2000 Fiber optic Adapter

The E2000 fiber optic adapters are offered in MM or SM performances, for connectors with PC and APC polishing method. LSH integrated protective cap protects ferrule from dust and rules out any laser light emissions. E2000 adapter is excellent for high packing density

ST Fiber Adapter

Features

- Compact design
- High precision alignment
- Low insertion and return loss and back reflection
- Choice of metal or plastic housing, phosphor bronze or ceramic split sleeves

Applications

- Premise installations
- Telecommunication networks
- Metro networks
- Local Area Networks (LANs)
- Data processing networks
- Instrumentation



Specifications

ITEM	SM / PC	Multi Mode
Sleeve	Ceramic / Phosphor bronze	Phosphor bronze
Body Material	Zinc die-casting	

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FC Fiber Adapter

Features

- Compact design
- NTT-FC compatibility
- High precision alignment
- Low insertion and return loss and back reflection*
- Corrosion resistant body

Applications

- CATV
- Telecommunication networks
- Local Area Networks (LANs)
- Metro networks
- Data processing networks



Specifications

ITEM	SM / PC	Multi Mode
Sleeve	Ceramic / Phosphor bronze	Phosphor bronze
Body Material	Zinc die-casting	

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SC Fiber Adapter

Features

- Compact design
- Telcordia, ANSI, TIA/EIA, NTT and JIS compliance
- High precision alignment
- Low insertion and return loss and back reflection
- Choice of metal or plastic housing, mount styles & flange options

Applications

- CATV
- Telecommunication networks
- Local Area Networks (LANs)
- Metro networks
- Data processing networks



Specifications

ITEM	SM / PC	SM / APC	Multi Mode
Sleeve	Ceramic / Phosphor bronze	Ceramic	Phosphor bronze
Body Material	Plastic		
Housing Color	Blue	Green	Beige
Housing Type	Simplex / Duplex		

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FDDI Fiber Adapter

Features

- Fully compatible with ANSI FDDI standard
- Color coded keyed for service identification
- Adapters are available in a variety of mating
- Flange mount or snap mount configurations.
- Precision Ceramic or polymer alignment sleeves
- Low insertion and return loss and back reflection

Applications

- Duplex fiber optic system
- Building wiring
- FDDI backbone network



Specifications

ITEM	Multi Mode	
Sleeve	Ceramic	polymer
Body Material	Plastic	
Housing Color	Beige	
Housing Type	Duplex	

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LC Fiber Adapter

Features

- Compact design
- Telcordia, ANSI, TIA/EIA, compliance
- Color coding & polarization
- High precision alignment
- Low insertion and return loss and back reflection*

Applications

- Gigabit Ethernet
- Video
- CATV
- Active device/Transceiver interface
- Telecommunication networks
- Metro networks
- Premise installations
- Multimedia



Specifications

ITEM	SM / PC	SM / APC	Multi mode
Sleeve	Ceramic	Ceramic	Phosphor bronze
Body Material	Plastic		
Housing Color	Blue	Green	Beige
Housing Type	Simplex / Duplex		

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MU Fiber Adapter

Features

- Compact design
- NTT-MU hardware compatibility
- NTT & JIS compliance
- High precision alignment
- Low insertion and return loss and back reflection*
- Corrosion resistance

Applications

- Fiber optic subscriber network transmission/switching equipment
- CATV
- Active device termination
- Telecommunication networks
- Metro networks
- Local Area Networks (LANS)
- Data processing networks
- Premise installations



Specifications

ITEM	Single Mode	Multi Mode
Sleeve	Ceramic	Phosphor bronze
Body Material	Plastic	
Housing Color	Brown	
Housing Type	Simplex / Duplex	

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MTRJ Fiber Adapter

Features

- Plug-jack (RJ-45) design
- TIA/EIA 568-A Compliant*

Applications

- Gigabit Ethernet, Asynchronous Transmission Method (ATM)
- CATV
- Video
- Active Device/Transceiver Interface
- Premise Installations
- Telecommunication Networks
- Multimedia



Specifications

ITEM	Single Mode	Multi Mode
Body Material	Plastic	
Housing Color	Black	

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MPO Fiber Adapter

Features

- Compact design, accommodating 4, 8 or 12 fiber ribbons
- High precision alignment
- Low insertion and return loss and back reflection

Applications

- Gigabit ethernet
- CATV
- Video
- Active device / Transceiver interface
- Telecommunication networks
- Metro networks
- Local Area Networks (LANs)
- Premise installations
- Multimedia



Specifications

ITEM	Low Loss /SM	Single Mode	Multi Mode
Body Material	Plastic		
Housing Color	Black		

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E2000 Fiber Adapter

Features

- Secure transmission of high bit-rate protocols
- Compliant with European (EN 186270) and International (IEC 61754-15) standards

Applications

- Telecommunication
- CATV
- LAN(including FITH,FTTH and FTTD)



Specifications

ITEM	SM / PC	SM / APC	Multi Mode
Sleeve	Ceramic	Ceramic	Phosphor bronze
Body Material	Plastic		
Housing Color	Blue	Green	Beige
Housing Type	Simplex / Duplex		

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