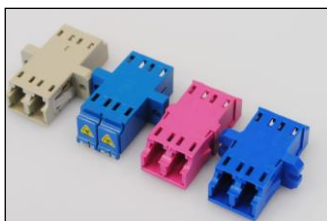


Connection components - fiber optic cabling

LC FIBER OPTIC ADAPTERS



INTRODUCTION:

Fibrain LC fiber optic adapters are divided into three distinct series: Standard One-Piece, Premium One-Piece and Premium Super One-Piece, which can be characterized by various optical and mechanical parameters. LC fiber optic adapters are constructed in the "one-piece design" technology. The external housing is one solid body, thus the adapters are more durable than the typical ultrasonic welded type ones. LC fiber optic adapters are available in various options and colors.

APPLICATIONS:

- ✓ CATV systems,
- ✓ WDM systems,
- ✓ Metro systems,
- ✓ Active devices,
- ✓ Measurements devices,
- ✓ Telecommunication Networks,
- ✓ Local Area Networks (LANs),
- ✓ Wide Area Networks (WANs),
- ✓ Data and video transmission.

FEATURES:

- ✓ One-Piece design, without welding point,
- ✓ Increased resistance to side loading,
- ✓ Available with integrated, non metallic panel clip,
- ✓ Premium One-Piece and Premium Super One-Piece series exceeds IEC requirements of "Coupling of the strength mechanism",
- ✓ Full ceramic alignment sleeve,
- ✓ High quality materials,
- ✓ Available with internal or external shutter for eye safety.

TECHNICAL SPECIFICATION:

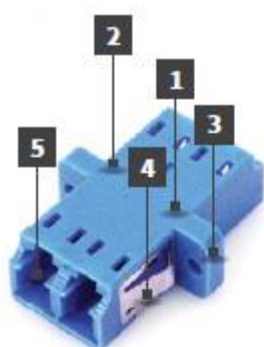
Parameter	Standard One-Piece	Premium One-Piece	Premium Super One-Piece
Insertion Loss (IL)	max. 0.30 dB typ. 0.15 dB	max. 0.20 dB typ. 0.10 dB	max. 0.20 dB typ. 0.08 dB
Durability	500 matings/ <0.20 dB typical change	1000 matings/ <0.15 dB typical change	1000 matings/ <0.15 dB typical change
Strength of coupling mechanism	40N	80N	80N
Operating temperature	-40 do +85 ^o C		
Alignment sleeve	ceramic	ceramic/metal	ceramic/metal
External shutter	-	✓	-
Internal shutter	-	✓	✓
Mounting	metal wings	2D plastic wings	4D plastic wings
GR326 TG100	-	●	✓
Anti-Fungus Plastic	-	-	✓
Colors			

Connection components - fiber optic cabling

TYPES OF ADAPTERS IN EACH SERIES:

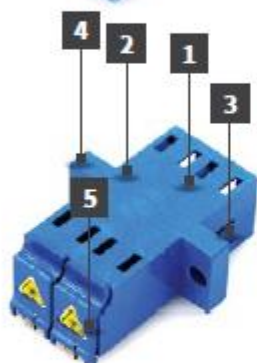
Parameter	Standard One-Piece	Premium One-Piece	Premium Super One-Piece
DUPLEX	✓	✓	✓
QUAD	✓	✓	-
FLANGE	✓	✓	✓
NO FLANGE	✓	✓	✓
METAL MOUNTING CLIP	✓	-	-
PLASTIC MOUNTING CLIP	-	✓	✓
EXTERNAL SHUTTER	-	✓	-
INTERNAL SHUTTER	-	✓	✓

CONSTRUCTION:



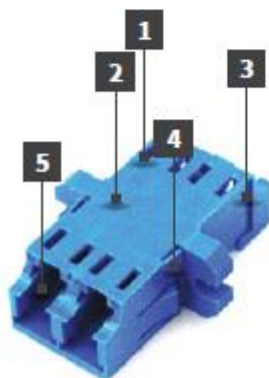
LC Standard *One-Piece*

1. "One-Piece Design" technology
2. Housing available in 5 colors
3. Optional flange
4. Metal mounting clip
5. Ceramic alignment sleeve for SM and MM application



LC Premium *One-Piece*

1. One-Piece solid body
2. Housing available in 3 colors
3. Integrated non metallic panel clip
4. Optional flange
5. External or internal shutter



LC Premium *Super One-Piece*

1. "Super One-Piece Design" of housing
2. Anti-fungus material with the UL94-V0 flammability index
3. Housing available in 5 colors
4. Anti-rattle wings
5. Optional shutter (inner)

Type:	Fibrain LC adapters family	REV: 00
Date:	17/12/2014	At
Approved:		BK
Issued::		

Connection components - fiber optic cabling

PACKING SYSTEM:

Adapters are packaged in boxes of 50 pieces in string bags/box (2x25 pieces) with the identification label located on each bag/box.

ORDERING INFORMATION:

Standard One-Piece

Series	Adapter's kind	Type	Mounting	Sleeve type	Housing Colour	Dust cup colour
A001	LCA	DX	1 flange	1 ceramic	1 green	8 white
	LC	4X	2 no flange		2 blue	
					3 beige	
					5 aqua	
					6 violet	

Example:

A001-LCA-DX-1113: Fibrain LC APC Standard One-Piece adapter, duplex, with a flange, a ceramic sleeve, a green housing, and a black dust cup.

Premium One-Piece with internal shutter

Series	Adapter's kind	Type	Shutter	Mounting	Sleeve type	Housing Colour	Dust cup colour
AS01	LCA	DX	1 internal	1 flange	1 ceramic	1 green	8 white
	LC	4X		2 flangeless	2 metal	2 blue	
						3 beige	

Premium One-Piece with external shutter

Series	Adapter's kind	Type	Shutter	Mounting	Sleeve type	Housing Colour	Dust cup colour
AS02	LCA	DX	2 external	1 flange	1 ceramic	1 green	8 white
	LC	4X		2 flangeless	2 metal	2 blue	
						3 beige	

Example:

AS01-LCA-DX-11113: Fibrain LC APC Premium One-Piece adapter with an internal shutter, duplex, with a flange, a ceramic sleeve, and a black dust cup.

Premium Super One-Piece

Series	Adapter's kind	Type	Mounting	Sleeve type	Housing Colour	Dust cup colour
A031	LCA	DX	1 flange	1 ceramic	1 green	8 white
	LC		2 no flange	2 metal	2 blue	
					3 beige	
					5 aqua	
					6 violet	

Example:

A031-LCA-DX-1113: Fibrain LC APC Premium Super One-Piece adapter, duplex, with a flange, a ceramic sleeve, a green housing, and a black dust cup.

Type:	Fibrain LC adapters family	REV: 00
Date:	17/12/2014	At
Approved:		BK
Issued::		

Connection components - fiber optic cabling

Premium Super One-Piece with internal shutter

Series	Adapter's kind	Type	Shutter	Mounting	Sleeve type	Housing Colour	Dust cup colour
AS31	LCA	DX	1 internal	1 flange	1 ceramic	1 green	8 white
	LC			2 flangeless	2 metal	2 blue	
						3 beige	
						6 aqua	
						7 violet	

Example:

AS31-LCA-DX-11113: Fibrain LC APC Premium Super One-Piece adapter with an internal shutter, duplex, with a flange, a ceramic sleeve, and a black dust cup.

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.