CP TECHNOLOGIES

Fiber

Product Catalog

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CP TECHNOLOGIES

RoHS Compliant

CP TECHNOLOGIES

AKF series
MTP®/MPO Cassette

SPECIFICTIONS

SC and LC are available. PC, SPC, UPC and APC polish meet standard requirement. Each modules supports up to 12 fibers using MTP®/MPO, or 24 fibers using LC. Low loss MTP® connectors (Elite series) are deployed upon request. Bend-insensitive fibers are available too.

Method A, B, C are all available
MTP®/MPO cassette: male (female available on request)
Weight: 0.4KG

FIBER COMPATIBILITY

OM2, OM3, OM4, OS1/OS2

APPLICATIONS

Provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at desk. Allows easy migration from 10G to 40G or 100G

OM2 (50/125um): for LED or laser-based propagation
OM3 & OM4 (50/125um): for VCSEL-based propagation
OS1/OS2 (9/125um): Laser-based propagation
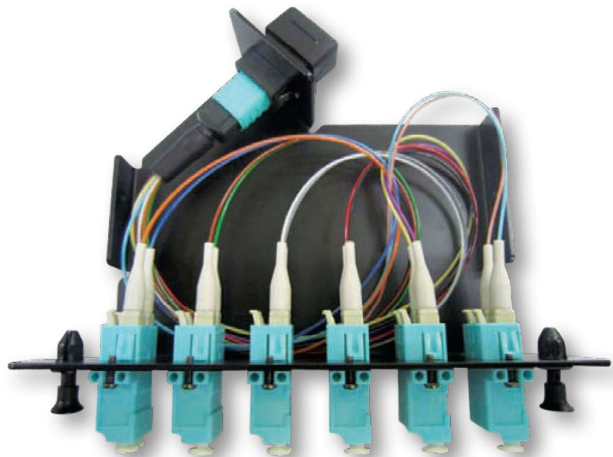
In June 2010, the IEEE published new standards for answering Ethernet speeds of 40Gbps for server and computing applications and 100Gbps for network aggregation applications. IEEE 802.3ba responds to the demand of many data centers and enterprise requiring speeds beyond 10Gbps. IEEE 802.3ba specifies that communication medium is performed across copper, MMF and SMF. CP's 5S solution (Safety +, Space +, Speed +, Savings + and Service +) provides the efficient pre-terminated 40/100G laser optimized Multimode system, as is an ideal migration path to 40/100G speeds from 10G and meets the new IEEE 802.3ba standard. The system features pre-terminated trunks, harness, array cords and MTP®/MPO cassettes to assist you in future proofing your networks.

👍❗

SC/PC adaptor is different from SC/APC ?

The most visible difference between the two adapters is color. Most single mode SC/PC adapters are blue and SC/APC adapters are green. This allows for quick identification, especially when used in distribution panels so the end-user inserts the correct connector type. Often users cannot see the connector plugged in on the backside of the panels, therefore the color indicates the SC connector that's required. SC connectors correspond with the adapter; most single mode SC/APC connectors have green outer shells while single mode SC/ PC connectors have blue outer shells. SC/APC adapters use premium zirconia split sleeves to achieve the tightest tolerance possible providing critical alignment of the two angle polished ferrules. Whether it is a single mode SC/ PC or SC/APC connector be sure to choose a zirconia (ceramic) sleeve material rather than a phosphor bronze or polymer. The zirconia alignment sleeves have a tighter tolerance and better elasticity, maintaining tight tolerances after several mating. In short, the adaptor is the same but just different in housing color.

CP TECHNOLOGIES

Left to Right: LC Duplex adaptor x 6pcs (12 ports), SC duplex adaptor x 6pcs (12 ports), LC Quad adaptor x 6pcs (24 port), LC Quad adaptor x 6pcs (24 port, vertical type is for high density cassette, up to 120 port x LC)
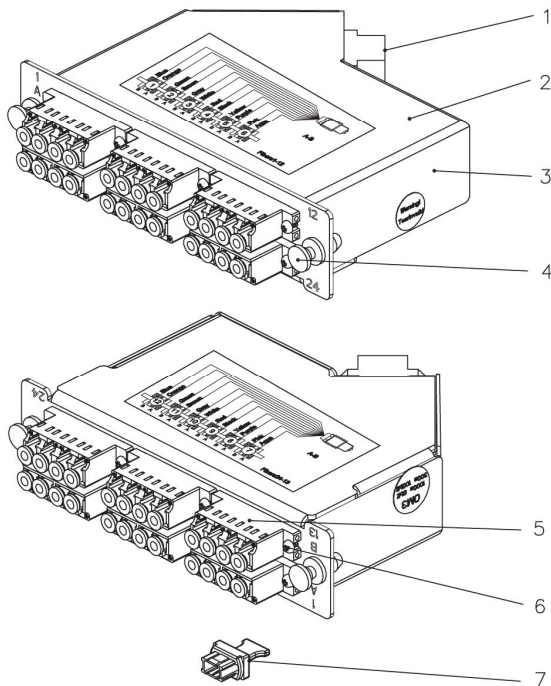
1. MTP® adaptor: A type key up to key down, 2pcs
2. Top Case: 1.5mm thickness, SPCC, BK (RAL9005)
3. Bottom case: 1.5mm thickness, SPCC, BK (RAL9005)
4. Plunger: 2pcs, Black color
5. LC adaptor: 6pcs, MM, LC quad (SC footprint), w/Zr. sleeve
6. Screw: 16pcs, M2.0 x 6.0 Zinc Plated, Black color
7. MTP® dust cover: 2pcs, Black color
8. Screw: 2pcs, M3.0 x 4.0/4.5mm Zinc plated
9. Harness patch cord (APE series): 2pcs, MTP® (male) to LC OM3 12C x 2, 30cm
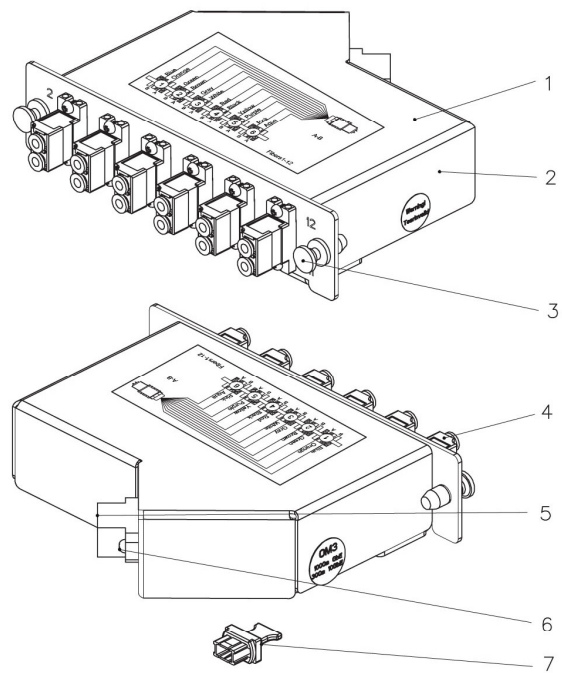
1. Top Case: 1.5mm thickness, SPCC, BK (RAL9005)
2. Bottom case: 1.5mm thickness, SPCC, BK (RAL9005)
3. Plunger: 2pcs, Black color
4. LC adaptor: 6pcs, MM, LC duplex (SC footprint), w/Zr. sleeve
5. MTP® adaptor: A type key up to key down, 1pc
6. Screw: 14pcs, M2.0 x 6.0 Zinc Plated, Black color
7. MTP® dust cover: 1pc, Black color
8. Screw: 2pcs, M3.0 x 4.0/4.5mm Zinc plated
9. Harness patch cord (APE series): 1pc, MTP® (male) to LC OM3 12C x 1, 30cm

CP TECHNOLOGIES

AKF series
MTP®/MPO Cassette

Order Information (LC)

A	K	F	A	A		0	1		0	1	1		0	2	6		2	9

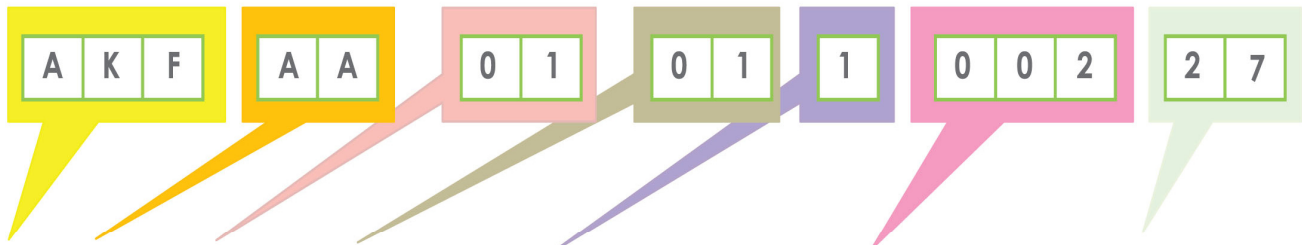| Cassette Type			Color		Method		MPO / MTP®			Direct Harness		LC / SC Adaptor	
A K F	A	A	12P LGX Type	0 1	BK	0 1	Method A,C	1	MPO Flange Type,MM,(Key Up-Down),BK	026	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM Low Loss),-LC (MM Low Loss),even-alignment,30cm	05	LC-LC,Flange Type,MM,Quad,w/ PB Sleeve,One Piece Type,IV
	A	B	24P LGX Type			0 2	Method B	2	MPO Flange Type,MM,(Key Up-Up),BK	027	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM Low Loss),-LC (MM Low Loss),even-alignment,30cm	31	LC-LC,Flange Type,MM,Quad,w/ Zr Sleeve,One Piece Type,AQ
						0 3	Method B Distaled			034	Direct Harness,MM,50/125um,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-LC (MM),even-alignment,30cm	07	LC-LC,Flange Type,SM,Quad,w/ Zr. Sleeve,One Piece Type,BL
	B	B	24P HD Type					3	MTP Flange Type,MM,(Key Up-Down),BK	035	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-LC (MM),even-alignment,30cm	08	LC-LC,Flange Type,SM,Quad,w/ Zr. Sleeve,One Piece Type,GN
								4	MTP Flange Type,MM,(Key Up-Up),Light Gray	036	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-LC (MM),even-alignment,30cm		
										039	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-LC (SM UPC),even-alignment,30cm	09	LC-LC,Flange Type,MM,Duplex,w/ PB Sleeve,One Piece Type,IV
										040	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-LC (SM UPC),even-alignment,30cm	29	LC-LC,Flange Type,MM,Duplex,w/ Zr Sleeve,One Piece Type,AQ
										041	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-LC (SM APC),even-alignment,30cm	11	LC-LC,Flange Type,SM,Duplex,w/ Zr. Sleeve,One Piece Type,BL
										042	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-LC (SM APC),even-alignment,30cm	12	LC-LC,Flange Type,SM,Duplex,w/ Zr. Sleeve,One Piece Type,GN
										047	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC Low Loss),-LC (SM APC),even-alignment,30cm		
										048	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC Low Loss),-LC (SM APC),even-alignment,30cm	17	LC-LC,Flangeless Type,MM,Quad, w/ PB Sleeve,One Piece Type,IV
										226	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM Low Loss),-LC (MM Low Loss),even-alignment,30cm	32	LC-LC,Flangeless Type,MM,Quad, w/ Zr. Sleeve,One Piece Type,AQ
										227	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM Low Loss),-LC (MM Low Loss),even-alignment,30cm	19	LC-LC,Flangeless Type,SM,Quad, w/ Zr. Sleeve,One Piece Type,BL
										234	Direct Harness,MM,50/125um,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-LC (MM),even-alignment,30cm	20	LC-LC,Flangeless Type,SM,Quad, w/ Zr. Sleeve,One Piece Type,GN
										235	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-LC (MM),even-alignment,30cm		
										236	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-LC (MM),even-alignment,30cm		
										239	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-LC (SM UPC),even-alignment,30cm		
										240	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-LC (SM UPC),even-alignment,30cm		
										241	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-LC (SM APC),even-alignment,30cm		
										242	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-LC (SM APC),even-alignment,30cm		
										247	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC Low Loss),-LC (SM APC),even-alignment,30cm		
										248	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC Low Loss),-LC (SM APC),even-alignment,30cm		

HD TYPE

(1.34")34.0   (2.76")70.0

(4.36")110.7
(4.67")118.7

(3.11")79.0

(3.47")88.0±0.2

(1.36")34.5±0.2

CP TECHNOLOGIES

Order Information (SC)

| A | K | F | | A | A | | 0 | 1 | | 0 | 1 | 1 | | 0 | 0 | 2 | | 2 | 7 |

Cassette Type						Color		Method		MPO / MTP®		Direct Harness		LC / SC Adaptor	
A	K	F	A	A	12P LGX Type	0	1	BK	0	1	Method A.C	1	MPO Flange Type,MM,(Key Up-Down),BK	002	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM Low Loss),-SC II (MM Low Loss),even-alignment,30cm	01	SC-SC,Flange Type,MM,Duplex,w/ PB Sleeve,One Piece Type,IV
									0	2	Method B	2	MPO Flange Type,MM,(Key Up-Up),BK	003	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM Low Loss),-SC II (MM Low Loss),even-alignment,30cm	27	SC-SC,Flange Type,MM,Duplex,w/ Zr. Sleeve,One Piece Type,AQ
									0	3	Method B Distaled			010	Direct Harness,MM,50/125um,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-SC II (MM),even-alignment,30cm	03	SC-SC,Flange Type,SM,Duplex,w/ Zr. Sleeve,One Piece Type,BL
												3	MTP Flange Type,MM,(Key Up-Down),BK	011	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-SC II (MM),even-alignment,30cm	04	SC-SC,Flange Type,SM,Duplex,w/ Zr. Sleeve,One Piece Type,GN
												4	MTP Flange Type,MM,(Key Up-Up),Light Gray	012	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (MM),-SC II (MM),even-alignment,30cm		
														015	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-SC II (SM UPC),even-alignment,30cm		
														016	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-SC II (SM UPC),even-alignment,30cm		
														017	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-SC II (SM APC),even-alignment,30cm		
														018	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC),-SC II (SM APC),even-alignment,30cm		
														023	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC Low Loss),-SC II (SM APC),even-alignment,30cm		
														024	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MPO+Guide Pin (SM APC Low Loss),-SC II (SM APC),even-alignment,30cm		
														202	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM Low Loss),-SC II (MM Low Loss),even-alignment,30cm		
														203	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM Low Loss),-SC II (MM Low Loss),even-alignment,30cm		
														210	Direct Harness,MM,50/125um,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-SC II (MM),even-alignment,30cm		
														211	Direct Harness,OM3,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-SC II (MM),even-alignment,30cm		
														212	Direct Harness,OM4,50/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (MM),-SC II (MM),even-alignment,30cm		
														215	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-SC II (SM UPC),even-alignment,30cm		
														216	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-SC II (SM UPC),even-alignment,30cm		
														217	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-SC II (SM APC),even-alignment,30cm		
														218	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC),-SC II (SM APC),even-alignment,30cm		
														223	Direct Harness,SM(G652D),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC Low Loss),-SC II (SM APC),even-alignment,30cm		
														224	Direct Harness,SM(G657A2),9/125um,Corning,12C,0.9mm Jacket,Mix.,PVC,12 F MTP+Guide Pin (SM APC Low Loss),-SC II (SM APC),even-alignment,30cm		

LGX TYPE

108.0

58.13

91.07

111.27

15.0

118.0

30.0

7   12

130.0

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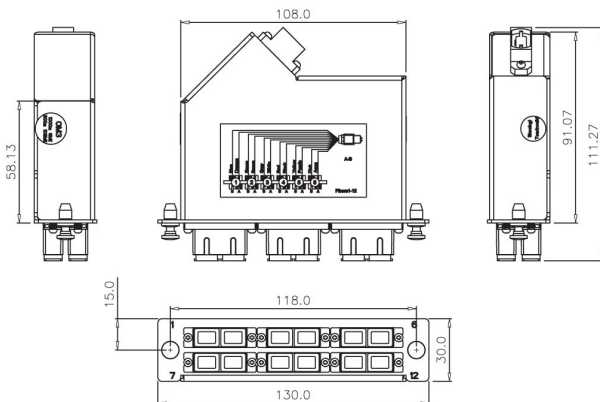
AIU series
Fiber Enclosures

SPECIFICTIONS

✓ Compliant with EIA 19" cabinet
✓ Sliding tray with front and rear stop glides forward and backward providing accessibility to front and rear of bulkhead after installation
✓ Convertible ear support recessed depth, up to 60mm
✓ A variety of removable pane faces
✓ Optional cable management tray

FIBER CAPACITY

Maximum LC: 120pcs
Maximum MTP®/MPO: 384 core

APPLICATIONS

Physical protection of fiber connection and storage of fiber slack

This series is designed to increase flexibility for any environment in data center. Stylish and innovative design is ideal for today's most advanced networks and stetting. One-piece removable panel face supports both cassette and flush-mount adaptor bulkhead for easy of moves, adds and changes. Accepts 3pcs x LGX cassette or 5pcs High Density cassette. The maximum capacity is 120pcs x LC (one HD cassette: 24pcs x LC, 24pcs x 5 = 120pcs). Optional cable management trays help route and organize cables on enclosures. Because the trays can be mounted directly to the front of the enclosures, they do not require additional rack space. With the convertible ears, this panel facilities the recessed depth, up to 60mm. Sliding tray glides 45 degree forward (with stop) and backward, and removes for easy field terminations and splicing.

OPTION 1 : 3pcs x LGX cassette or adaptor panel

OPTION 2: 5pcs x HD cassette or adaptor panel

OPTION 3: flush-mount adaptor bulkhead for ST, FC, SC and LC

One-piece removable panel face
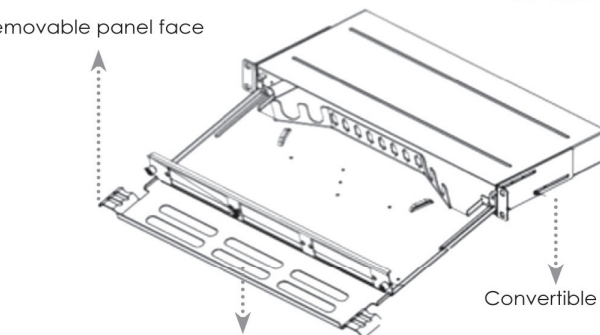
Convertible depth: up to **60mm**

Optional cable management trays can be mounted directly

CP TECHNOLOGIES

Order Information

| Panel Type	Part Number	Spec Description
3 Cassette Panel with support bar	AIUNC0000000001	Metal, Advanced Fiber Patch Panel, for Cassette LGX Type,3P w/ Support Bar, BK,
5 Cassette Panel with support bar	AIUNE0000000001	Metal, Advanced Fiber Patch Panel, for Cassette HD Type,5P w/ Support Bar, BK,
3 Cassette Panel w/o support bar	AIUOC0000000001	Metal, Advanced Fiber Patch Panel, for Cassette LGX Type,3P w/o Support Bar, BK,
5 Cassette Panel w/o support bar	AIUOE0000000001	Metal, Advanced Fiber Patch Panel, for Cassette HD Type,5P w/o Support Bar, BK,
FC Square 24 Port Adaptor Panel, w/o SB	AIUBB0224000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, FC Square Type, for 24 Port, BK
SC Simplex 12 Port Adaptor Panel, w/o SB	AIUBD0412000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, SC SimplexType, for 12 Port, BK,
SC Simplex 24 Port Adaptor Panel, w/o SB	AIUBD0424000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, SC SimplexType, for 24 Port, BK,
SC Duplex 12 Port Adaptor Panel, w/o SB	AIUBD0512000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, SC Duplex Type, for 12 Port, BK,
SC Duplex 24 Port Adaptor Panel, w/o SB	AIUBD0524000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, SC Duplex Type, for 24 Port, BK,
LC Duplex 12 Port Adaptor Panel, w/o SB	AIUBD0412000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, LC Duplex Type, for 12 Port, BK,
LC Duplex 24 Port Adaptor Panel, w/o SB	AIUBD0424000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, LC Duplex Type, for 24 Port, BK,
LC Quad 12 Port Adaptor Panel, w/o SB	AIUBD0512000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, LC Quad Type, for 12 Port, BK,
LC Quad 24 Port Adaptor Panel, w/o SB	AIUBD0524000001	Metal, Advanced Fiber Patch Panel, for Adaptor w/o Splice Tray, w/o Support Bar, Inner version, LC Quad Type, for 24 Port, BK,

FC 24 port

SC Simplex 12 port or
LC Duplex 12 port
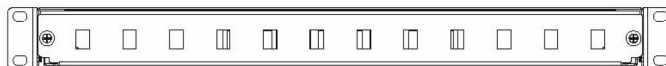
SC Simplex 24 port or
LC Duplex 24 port
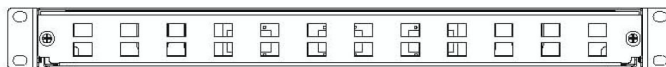
SC Duplex 12 port or
LC Quad 12 port
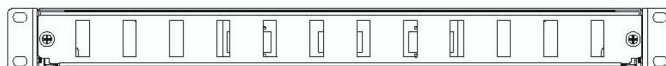
SC Duplex 24 port or
LC Quad 24 port

CP TECHNOLOGIES
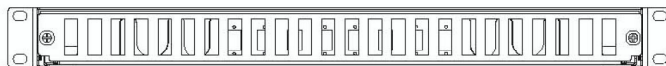
Ultra Slim Fiber Enclosure series
96 & 144 port

SPECIFICTIONS
1 U panel can scale up to 96 and 144 discrete LC connectors and up to 8 and 12 x MTP®/MPO

FIBER COMPATIBILITY
OM1, OM2, OM3, OM4, OS1/OS2

APPLICATIONS
Data communication and data center infrastructure and fiber channel for storage area network

OM1 (62.5/125um): for LED-based propagation
OM2 (50/125um): for LED or laser-based propagation
OM3 & OM4 (50/125um): for VCSEL-based propagation
OS1/OS2 (9/125um): Laser-based propagation

This series supports extraordinary advantage:

√ 1U size up to 144 port: 13cm depth saves space and makes the Panel compatible with copper racking system
√ Rapid Deployment: Factory terminated modular system saves Installation and reconfiguration time during moves, adds and Changes
√ Reliability-100% tested: Combination of high quality components and JE manufacturing quality control guarantees product to the highest standards
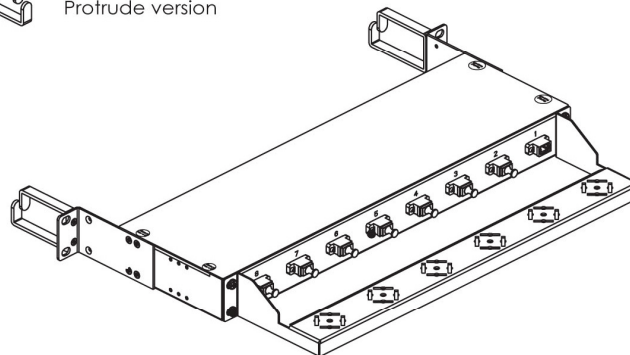
Flexible option : Protrude or Inner version
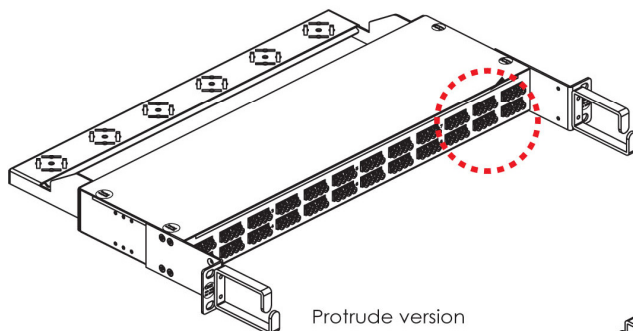

Protrude version
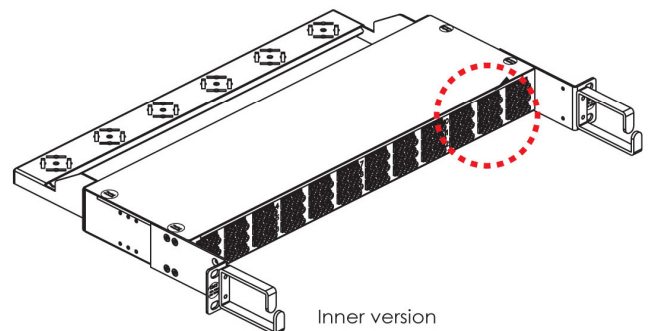
Inner version

Rear side: LC x 96 port with MTP®/MPO x 8pcs

CP TECHNOLOGIES

Order Information

P/N #	Panel Type	Description
AKFCA0100103532	96port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFCA0100103919	96port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFCA0100104120	96port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFCA0100323532	96port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFCA0100323919	96port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFCA0100324120	96port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFCB0100103532	144port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFCB0100103919	144port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFCB0100104120	144port Inner	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFCB0100323532	144port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFCB0100323919	144port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFCB0100324120	144port Inner	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFDA0100103532	96port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFDA0100103919	96port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFDA0100104120	96port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFDA0100323532	96port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFDA0100323919	96port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFDA0100324120	96port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFDB0100103532	144port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFDB0100103919	144port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFDB0100104120	144port Protrude	MPO Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MPO+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN
AKFDB0100323532	144port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, OM3 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (MM), LC (MM), 30cm; LC Flangeless Adaptor, MM, Quad, w/ Zr. Sleeve, AQ,
AKFDB0100323919	144port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM UPC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, BL
AKFDB0100324120	144port Protrude	MTP Flange Type, Key Up-Down, BK; Direct Harness, SM(G652D) 12C 0.9mm Jacket, Mix.. color, PVC, 12 F MTP+Guide Pin (SM APC), LC (SM APC), 30cm; LC Flangeless Adaptor, SM, Quad, w/ Zr. Sleeve, GN

* All Panel w/ Support Bar, color = RAL9005 black

1U 96 port x LC

1U 144 port x LC

CP TECHNOLOGIES
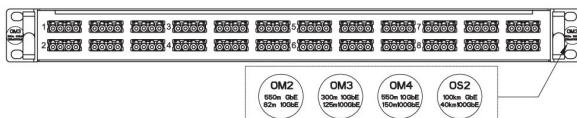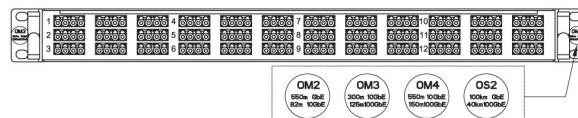
Sliding Fiber Enclosure

SPECIFICTIONS
Flexible panel face option supports flush-mount adaptor bulkhead for easy of moves

FIBER COMPATIBILITY
OM1, OM2, OM3, OM4, OS1/OS2

APPLICATIONS
Data centers, premise installations, telecommunication networks. Ethernet, Fiber Channel, ATM, LAN, MAN and LAN and also for indoor application

OM1 (62.5/125um): for LED-based propagation
OM2 (50/125um): for LED or laser-based propagation
OM3 & OM4 (50/125um): for VCSEL-based propagation
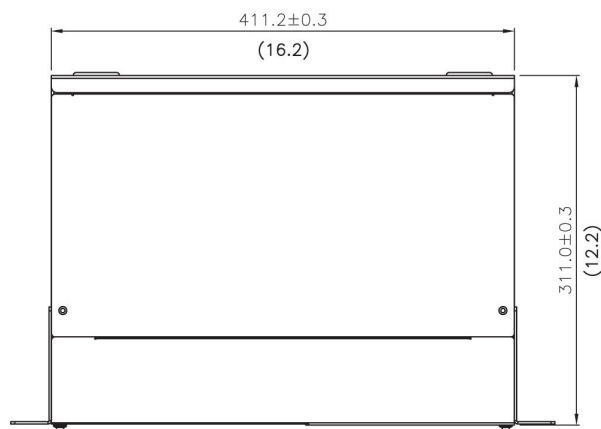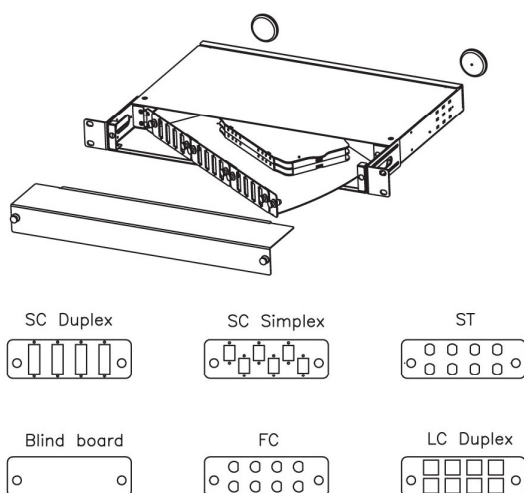OS1/OS2 (9/125um): Laser-based propagation

This innovative, robust 1U sliding patch panel has been designed to accept 48 fibers housed within a 1U space. With the flexibility to sue a full array of adaptor types offering a convenient solution to the end user, enabling them to incorporate a multi-functional panel which allow easy access during installation or re-work with no disturbance of the existing cable or fibers.

This series features a tray that slides out from the left side to the right, providing easy access to fiber connections and allowing removal of the entire tray to be placed on a workable for more convenient termination.
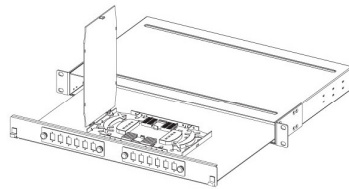
Sliding tray facilitates easy access

CP TECHNOLOGIES

Order Information

Options	Part Description	Part Number	Std. Ctn. Qty.
w/o Splice Tray, w/o Adaptor Panel	1U patch panel	AISAC 00000 00001	3
with Adaptor Panel unloaded, w/o Splice Tray	18 Port, 3 pcs Adaptor Panel, SC Simplex Flange Type	AISAB 18340 00001	3
	24 Port, 3 pcs Adaptor Panel, FC D Type	AISAB 24320 00001	3
	24 Port, 3 pcs Adaptor Panel, ST Thread Type	AISAB 24330 00001	3
	24 Port, 3 pcs Adaptor Panel, SC Duplex Flange Type	AISAB 24350 00001	3
	48 Port, 3 pcs Adaptor Panel, LC Duplex Square Type	AISAB 48360 00001	3
with Adaptor Panel unloaded, with Splice Tray	18 Port, 3 pcs Adaptor Panel, SC Simplex Flange Type	AISAA 18340 00004	3
	24 Port, 3 pcs Adaptor Panel, FC D Type	AISAA 24320 00001	3
	24 Port, 3 pcs Adaptor Panel, ST Thread Type	AISAA 24330 00001	3
	24 Port, 3 pcs Adaptor Panel, SC Duplex Flange Type	AISAA 24350 00001	3
	48 Port, 3 pcs Adaptor Panel, LC Duplex Square Type	AISAA 48360 00001	3
Adaptor Panel, Size 110X35mm, Pitch 93mm, Unload	Blind Type	AISBA 00010 00001	200
	6 Port, SC Suplex Flange Type	AISBA 06040 00001	200
	8 Port, FC D Type	AISBA 08020 00001	200
	8 Port, ST Thread Type	AISBA 08030 00001	200
	8 Port, SC Duplex Flange Type	AISBA 08050 00001	200
	16 Port, LC Dimplex Square Type	AISBA 16060 00001	200

Up to 48port x LC

SC Duplex   SC Simplex   ST

Blind board   FC   LC Duplex

411.2±0.3
(16.2)

311.0±0.3
(12.2)

CP TECHNOLOGIES

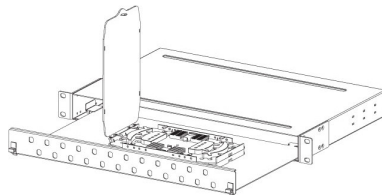## Economy Fiber Enclosure
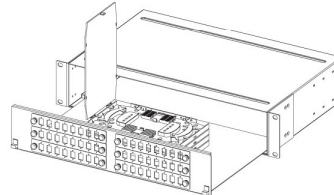
Dimension：1.75"x19"x11"
Apply with Adaptor Panel Size :
130X29mm, pitch 116mm
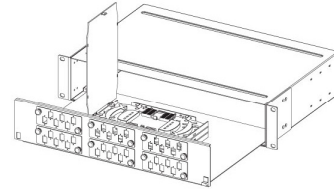
Dimension：3.4"x19"x11"
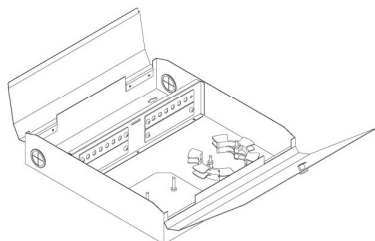Apply with Adaptor Panel Size :
99X37mm, pitch 87mm

Dimension：1.75"x19"x11"

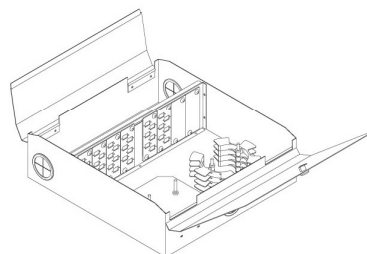Dimension：3.4"x19"x11"
Apply with Adaptor Panel Size :
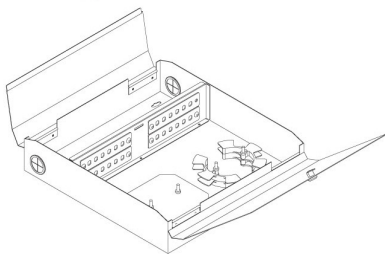160X25.5mm, pitch 146mm

Ordering Information

Part Number						Part Description	
AIQ	**A**	**B**	**02**	000000	**01**		
						Accessory	
	A					with Splice Tray	
	B					w/o Splice Tray	
						Panel Port	
		A				12 Port	
		B				24 Port	
		C				36 Port	
		D				48 Port	
						Adaptor Typ	
			01			FC Square	
			02			ST Thread	
			03			SC Simplex Flange	
			04			SC Duplex Flange	
			05			LC Duplex SC Foot Print	
			06			LC Simplex Square	
			07			LC Duplex Square	
						Painting Color	
					01	Black	

CP TECHNOLOGIES

Dimension : 14.5"x13.8"x3.2"
Apply with Adaptor Panel Size :
130X29mm, pitch 116mm

Dimension : 14.5"x13.8"x4.4"
Apply with Adaptor Panel Size :
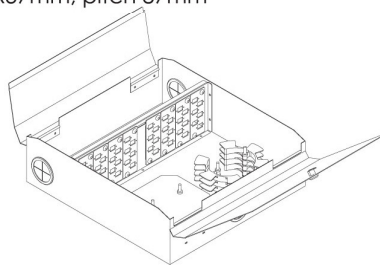99X37mm, pitch 87mm

Dimension : 14.5"x13.8"x3.2"
Apply with Adaptor Panel Size :
130X29mm, pitch 116mm

Dimension : 14.5"x13.8"x4.4"
Apply with Adaptor Panel Size :
99X37mm, pitch 87mm

Ordering Information

Part Number						Part Description	
AIO	**A**	**B**	**02**	000000	**01**		
						Accessory	
	A					with Splice Tray	
	B					w/o Splice Tray	
						Panel Port	
		A				12 Port	
		B				24 Port	
		C				36 Port	
		D				48 Port	
						Adaptor Typ	
			01			FC Square	
			02			ST Thread	
			03			SC Simplex Flange	
			04			SC Duplex Flange	
			05			LC Duplex SC Foot print	
			06			LC Simplex Square	
			07			LC Duplex Square	
						Painting Color	
				01		Black	

CP TECHNOLOGIES

Economy Fiber Enclosure

Part Number	Type	Port Qty
Size : 130 X 29 mm; Pitch : 116 mm		
AIRAA 01000 000XX	FC	4 port
AIRAA 02000 000XX	ST	4 port
AIRAA 03000 000XX	SC Simplex	4 port
AIRAA 04000 000XX	SC Duplex	4 port
AIRAA 06000 000XX	LC Simplex	4 port
AIRAB 00000 000XX	Blank	*
AIRAB 01000 000XX	FC	6 port
AIRAB 02000 000XX	ST	6 port
AIRAB 03000 000XX	SC Simplex	6 port
AIRAB 04000 000XX	SC Duplex	6 port
AIRAB 05000 000XX	LC Duplex (SC footprint)/MTRJ	6 port
AIRAB 06000 000XX	LC Simplex	6 port
AIRAB 07000 000XX	LC Duplex	6 port
Size : 99 X 37 mm; Pitch : 87 mm		
AIRAC 00000 000XX	Blank	*
AIRAC 01000 000XX	FC	6 port
AIRAC 02000 000XX	ST	6 port
AIRAC 03000 000XX	SC Simplex	6 port
AIRAC 04000 000XX	SC Duplex	6 port
AIRAC 05000 000XX	LC Duplex (SC footprint)/MTRJ	6 port
AIRAC 06000 000XX	LC Simplex	6 port
AIRAC 07000 000XX	LC Duplex	6 port
Size : 160 X 25.5 mm; Pitch : 146 mm		
AIRAD 00000 000XX	Blank	*
AIRAD 01000 000XX	FC	8 port
AIRAD 02000 000XX	ST	8 port
AIRAD 03000 000XX	SC Simplex	8 port
AIRAD 04000 000XX	SC Duplex	8 port
AIRAD 05000 000XX	LC Duplex (SC footprint)/MTRJ	8 port
AIRAD 06000 000XX	LC Simplex	8 port
AIRAD 07000 000XX	LC Duplex	8 port
Size : 130 X 31.6 mm; Pitch : 118 mm; LGX Type		
AIRCA 00000 000XX	Blank	*
AIRCA 01000 000XX	FC	6 port
AIRCA 03000 000XX	SC Simplex	6 port
AIRCA 04000 000XX	SC Duplex	6 port
AIRCA 08000 000XX	MTP®/MPO	6 port
AIRCB 04000 000XX	SC Duplex	3 port
Size : 88 X 36 mm; Pitch : 79 mm; HD Type		
AIRDB 00000 000XX	Blank	*
AIRDA 08000 000XX	MTP®/MPO	6 port
AIRDA 09000 000XX	SC Duplex	6 port

XX => 01 black color   13 Ivory color

CP TECHNOLOGIES

Fiber Accessory

Part Description	Part Number	Std. Ctn. Qty.
Splice Tray & Spool Cable Routing, Ivory	ADFAB 20000 00013	120
Splice Tray & Spool Cable Routing, Black	ADFAB 20000 00001	120
Splice Tray & Spool Cable Routing, Black, For 24Fiber	ADFAB 30000 00001	120
Fusion Splice Protector Sleeve, Length 2.3, Diame ter 0.0625	ADFDB 10000 00016	10,000
Spool cable routing takes 2pcs/set, full moon cable,Ivory	ADFCB 10000 02013	400
Spool cable routing takes 2pcs/set, full moon cable,Black	ADFCB 10000 02001	400
Splice plastic holder for 6 fiber, Ivory	ADFBB 10000 00013	500
Splice plastic holder for 6 fiber, Black	ADFBB 10000 00001	500
Splice tray with 2 sets of splice plastic holder, Ivory	ADFAB 10000 00013	70
Splice tray with 2 sets of splice plastic holder, Black	ADFAB 10000 00001	70

CP TECHNOLOGIES

APA series
LC Uniboot Patch Cord

SPECIFICTIONS
Uniboot is only for LC. PC, SPC, UPC and APC polish meet standard requirement

FIBER COMPATIBILITY
OM1, OM2, OM3, OM4, OS1/OS2

APPLICATIONS
Provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at desk
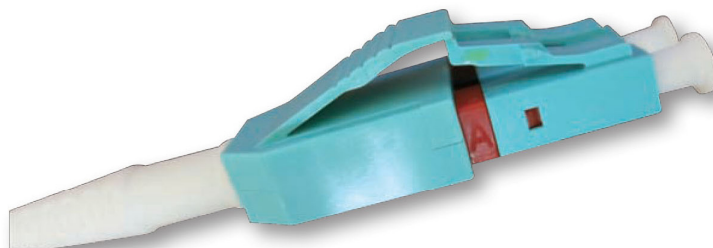
OM1 (62.5/125um): for LED-based propagation
OM2 (50/125um): for LED or laser-based propagation
OM3 & OM4 (50/125um): for VCSEL-based propagation
OS1/OS2 (9/125um): Laser-based propagation

APA LC uniboot series is integrated reverse-polarity uniboot duplex assembly that completely answers high-density requirements of the MDA and EDA. Compared with traditional duplex LC jumpers, uniboot series provides efficiently a 50-percent reduction in bulk cabling, including the improvement of cable management, air circulation and routing.

Incorporated with 3.0mm dualan cable (containing 2 x 0.9mm fiber), uniboot exclusively maximizes valuable space. The user regains control of the infrastructure rather than living with an unmanageable build-up of patch cords.

JE's LC uniboot supports A & B identification on both edges.

CP TECHNOLOGIES

APA series
LC + Bendable Boot

SPECIFICTIONS
LC is available. PC, SPC, UPC and APC polish meet standard requirement
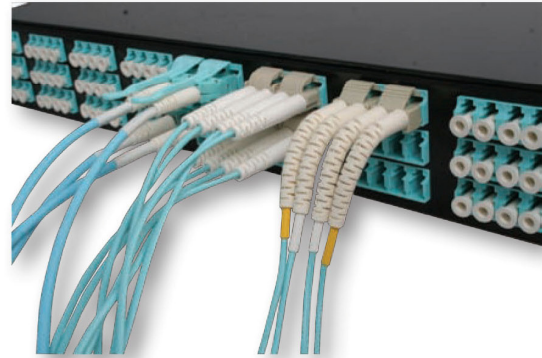
FIBER COMPATIBILITY
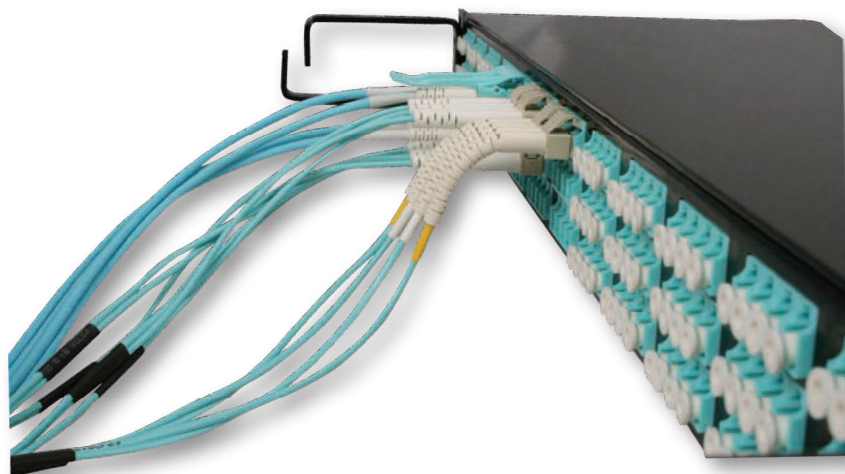OM2, OM3, OM4, OS1/OS2

APPLICATIONS
Provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at desk

OM2 (50/125um): for LED or laser-based propagation
OM3 & OM4 (50/125um): for VCSEL-based propagation
OS1/OS2 (9/125um): Laser-based propagation

APA LC bendable boot series is designed to bend and maintain desired angle or direction. With a single stainless steel wire inside the boot, it is easy and convenient to be bended by hand, without any tool. Incorporated with ultra-bendable fiber cable, G657A1 and G657A2, this series maintains the stable performance and supports a minimum bend-radius of 10mm within minimal bend-induced attenuation loss. In data center, the network transmission increases rapidly, available margins tighten greatly and becomes sensitive to loss incorporated with a number factors. Bend is one of them. Attenuation loss, with neglecting bends, may be reduced 50% when using LC bendable series, it protects a system outage from severe bending problems.

All outer housing and connector body are color-coded in accordance with ANSI/TIA/EIA-568-C.3

CP TECHNOLOGIES

Loopback
MTP®/MPO

SPECIFICTIONS
MTP® and MPO available in both 12- and 24-fiber configurations.

FIBER COMPATIBILITY
OM3, OM4, OS1/OS2

APPLICATIONS
Device burn-in and loopback testing for network cards and QSFP modules. By creating a loop of signal from transceiver to receiver within one MTP®
MPO plug it forms optical link which allows testing of optical network segment by segment.

This series is driven by both network systems-solutions providers and the optical-device community that provide and design transceivers or active components. Exclusive housing design allows side-by-side mounting in dense board applications. With standard or custom pin-outs, this series can accommodate specific optical routing needs. Factory terminated and tested connections guarantee maximum channel throughput without the performance variability of field terminations.

13.9mm PULL PULL

Key-up

48.5mm
64.0mm
78.0mm

Fiber 1
Key-up
Fiber 12
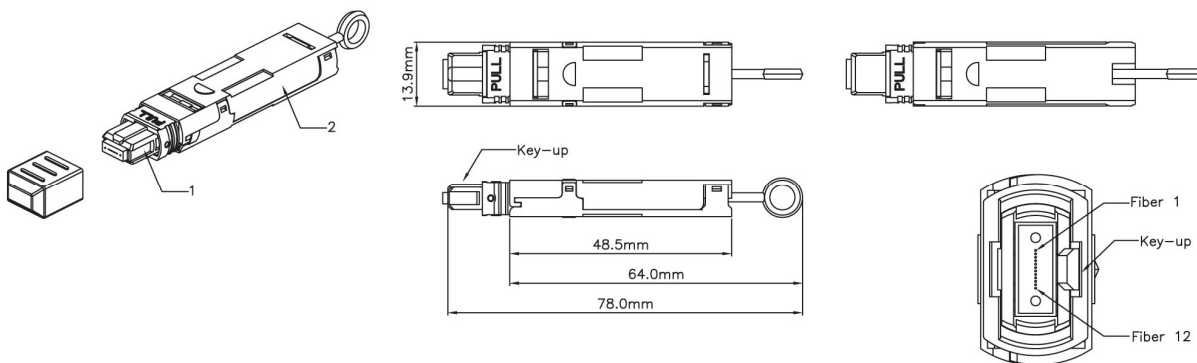
1. MTP®/MPO connector: Female
2. Loop Back Connector Housing kit, 2pcs, plastic PC material, black color
3. Performance:
   Insertion Loss & Return loss: MM <1.5dB SM APC <1.5dB
   Fiber overcut: 1.0~3.0um
   Operating Temperature: -20°C to + 70°C
   Storage Temperature: -40°C to + 80°C

Channel standard Fiber Number	
01	to	12
02	to	11
03	to	10
04	to	09
05	to	08
06	to	07

CP TECHNOLOGIES