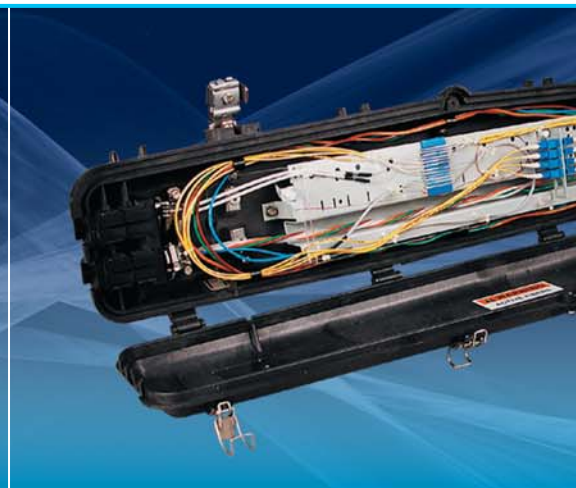




Fiber Apparatus

Fiber Outside Plant

Fiber Management

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Fiber Management

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LightLink™ LANSystem™ CON012P Fiber Termination Patch Panel

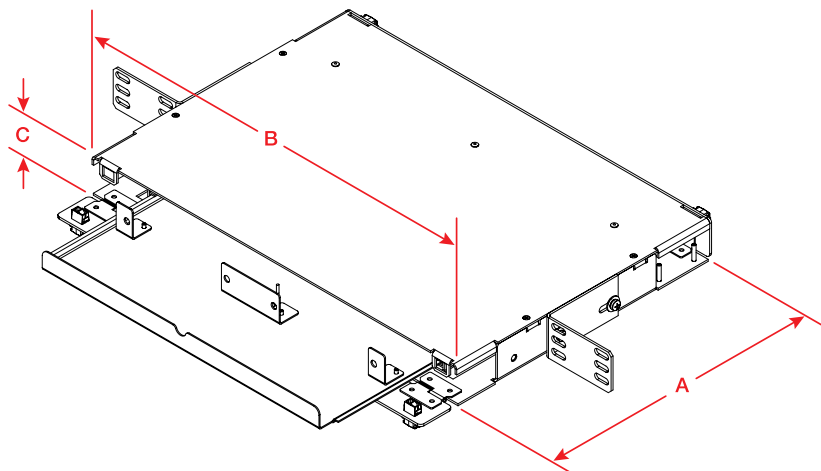


CON024HD shown in photo

The CON012P Fiber Termination Panel is used where termination and connectivity of up to 12 fibers (standard density) or 24 fibers (high density) is desired. The panel design is based on a 1 rack unit height with a master plate to accommodate 2 LGX® compatible adapter plates or modules. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 12 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	1.75	1	12/24	4.02 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles and types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate (118mm)
- Modular design
- Provides maximum protection of optical components
- Slide-out tray for connector access

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209
- Black or White Texture Powder Coated
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible

LightLink™ LANSystem™ CON012P Fiber Termination Patch Panel

Ordering Information

PART NUMBER	CONFIGURATION
1 RU PATCH PANELS	
C211126	CON012P – Empty
C211133	CON012P with 12 USC (PB) adapters (2 Six Packs) 118 LGX (Blue)
C211144	CON012P with 12 PSC adapters (2 Six Packs) 118 LGX (Beige)
C211169	CON012P with 12 UST adapters (2 Six Packs) 118 LGX
C211180	CON012P with 12 PST adapters (2 Six Packs) 118 LGX
FM000161	CON012P with 6 UDL (dup) adapters (2 Three Packs) 118 LGX (Blue)
FM000162	CON012P with 6 PDL (dup) adapters (2 Three Packs) 118 LGX (Beige)
C213874	CON012P with 12 ASC adapters (2 Six Packs) 118 LGX (Green)
C213862	CON012P with 12 UFC adapters (2 Six Packs) 118 LGX
C213869	CON012P with 12 USC (ZR) adapters (2 Six Packs) 118 LGX (Blue)
C213865	CON012P with 12 AFC adapters (2 Six Packs) 118 LGX
C213880	CON012P with 12 ULC adapters (2 Six Packs) 118 LGX
FM000163	CON012P with 6 PSF (dup) adapters (2 Three Packs) 118 LGX (Beige)
FM000164	CON012P with 6 USF (dup) adapters (2 Three Packs) 118 LGX (Blue)
FM000165	CON012P with 6 ASF (dup) adapters (2 Three Packs) 118 LGX (Green)
FM000166	CON012P with 12 MTRJ adapters (2 Six Packs) 118 LGX
1 RU HIGH DENSITY PATCH PANELS	
FM000167	CON024HD with 24 UST adapters (2 Twelve Packs) 118 LGX 24 Fibers
FM000168	CON024HD with 24 PST adapters (2 Twelve Packs) 118 LGX 24 Fibers
C211183	CON024HD with 12 UDL (dup) adapters (2 Six Packs) 118 LGX 24 Fibers
C211147	CON024HD with 12 PSF (dup) adapters (2 Six Packs) 118 LGX 24 Fibers
C211192	CON024HD with 12 PDL (dup) adapters (2 Six Packs) 118 LGX 24 Fibers
FM000169	CON024HD with 12 USF (dup) adapters (2 Six Packs) 118 LGX 24 Fibers
FM000170	CON024HD with 12 ASF (dup) adapters (2 Six Packs) 118 LGX 24 Fibers

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

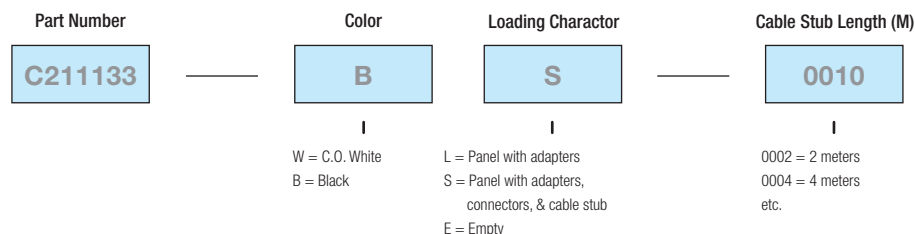
DESCRIPTION	PART NUMBER
Cable Clamp (White)	C210850
Cable Clamp (Black)	C214522

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

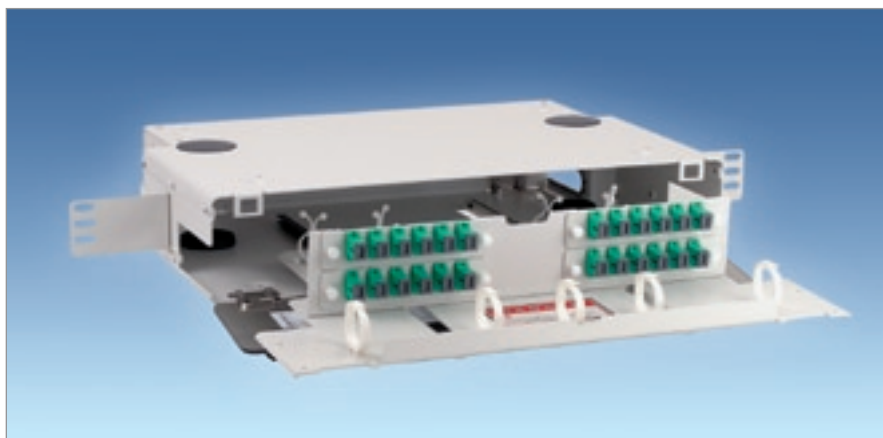
Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired. When ordering stubbed (S), enter the cable stub length required in meters. Standard stub is Circular Premise Cable (CPC).



Example: Order number for a panel Black in color, loaded with 12 USC adapters (2 six packs), connectors and a cable stub 10 meters in length.

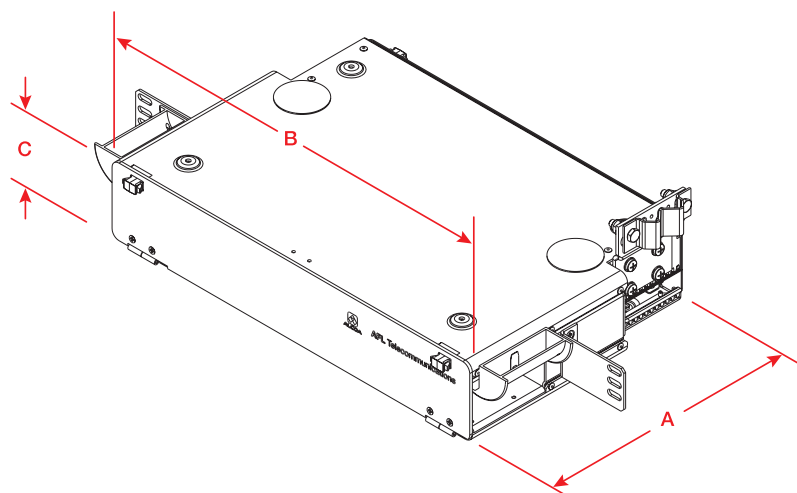
LightLink™ LANSystem™ CON024P Fiber Termination Patch Panel



The CON024P Fiber Termination Panel is used where termination and connectivity of up to 24 fibers (standard density) or 48 fibers (high density) is desired. The panel design is based on a 2 rack unit height with a master plate to accommodate 4 LGX® compatible adapter plates or modules. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 24 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	3.5	2	24/48	6.2 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles and types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate (118mm)
- Modular design
- Provides maximum protection of optical components
- Slide-out tray for connector access

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209
- Black or White Texture Powder Coated
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible
- Standard panels include OFNR stubbed top right rear

LightLink™ LANSystem™ CON024P Fiber Termination Patch Panel

Ordering Information

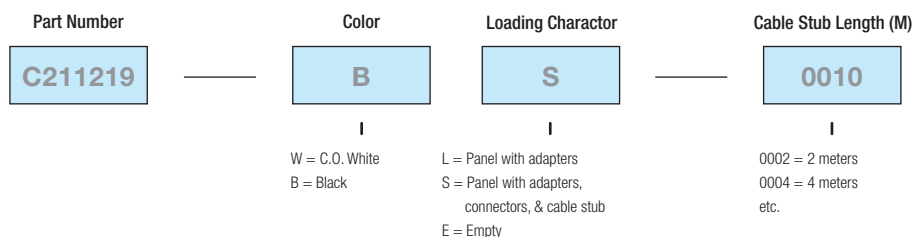
PART NUMBER	CONFIGURATION
2 RU PATCH PANELS	
C211210	CON024P – EMPTY
C211219	CON024P with 24 USC (PB) adapters (4 Six Packs) 118 LGX (Blue)
C211228	CON024P with 24 PSC adapters (4 Six Packs) 118 LGX (Beige)
C211255	CON024P with 24 UST adapters (4 Six Packs) 118 LGX
C211264	CON024P with 24 PST adapters (4 Six Packs) 118 LGX
FM000171	CON024P with 12 UDL (dup) adapters (4 Three Packs) 118 LGX (Blue)
FM000172	CON024P with 12 PDL (dup) adapters (4 Three Packs) 118 LGX (Beige)
C213901	CON024P with 24 ASC adapters (4 Six Packs) 118 LGX (Green)
C213887	CON024P with 24 UFC adapters (4 Six Packs) 118 LGX
C213898	CON024P with 24 USC (ZR) adapters (4 Six Packs) 118 LGX (Blue)
C213892	CON024P with 24 AFC adapters (4 Six Packs) 118 LGX
C213905	CON024P with 24 ULC adapters (4 Six Packs) 118 LGX
FM000173	CON024P with 12 PSF (dup) adapters (4 Three Packs) 118 LGX (Beige)
FM000174	CON024P with 12 USF (dup) adapters (4 Three Packs) 118 LGX (Blue)
FM000175	CON024P with 12 ASF (dup) adapters (4 Three Packs) 118 LGX (Green)
FM000176	CON024P with 24 MTRJ adapters (4 Six Packs) 118 LGX (Blue)
2 RU HIGH DENSITY PATCH PANELS	
FM000177	CON048HD with 48 UST adapters (4 Twelve Packs) 118 LGX 48 Fibers
FM000178	CON048HD with 48 PST adapters (4 Twelve Packs) 118 LGX 48 Fibers
C211270	CON048HD with 24 UDL (dup) adapters (4 Six Packs) 118 LGX 48 Fibers
C211234	CON048HD with 24 PSF (dup) adapters (4 Six Packs) 118 LGX 48 Fibers
C211277	CON048HD with 24 PDL (dup) adapters (4 Six Packs) 118 LGX 48 Fibers
FM000179	CON048HD with 24 USF (dup) adapters (4 Six Packs) 118 LGX 48 Fibers
FM000180	CON048HD with 24 ASF (dup) adapters (4 Six Packs) 118 LGX 48 Fibers

Note: All MM cable is 62.5µm unless otherwise specified.

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.

When ordering stubbed (S), enter the cable stub length required in meters.



Example: Order number for a panel Black in color, loaded with 24 USC adapters (4 six packs), connectors and a cable stub 10 meters in length.

Accessories

DESCRIPTION	PART NUMBER
Cable Clamp (White)	C210850
Cable Clamp (Black)	C214522

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

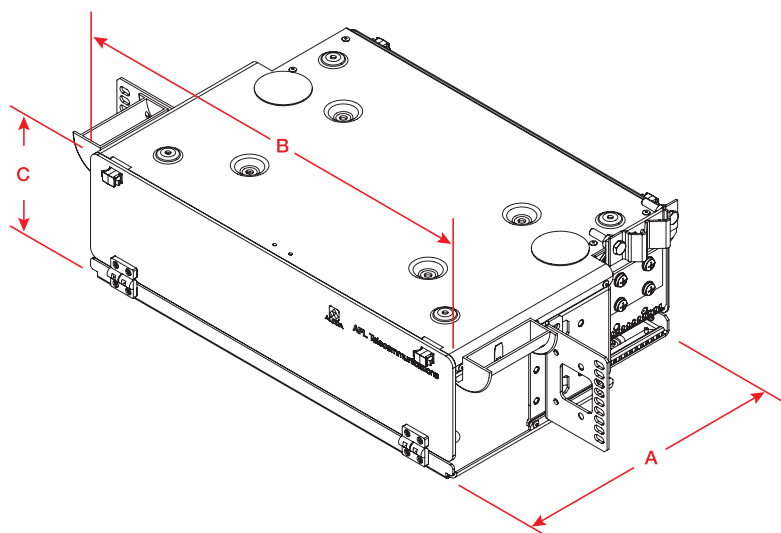
LightLink™ LANSystem™ CON048P Fiber Termination Patch Panel



The CON048P Fiber Termination Panel is used where termination and connectivity of up to 48 fibers (standard density) or 96 fibers (high density) is desired. The panel design is based on a 3 rack unit height with a master plate to accommodate 9 LGX® compatible adapter plates or modules. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 48 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	5.25	3	54/108	8.4 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles and types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate (118mm)
- Modular design
- Provides maximum protection of optical components

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209
- Black or White Texture Powder Coated
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible

LightLink™ LANSystem™ CON048P Fiber Termination Patch Panel

Ordering Information

PART NUMBER	CONFIGURATION
3 RU PATCH PATCH PANELS	
C211291	CON048P – EMPTY
C211300	CON048P with 48 USC (PB) adapters (8 Six Packs) 118 LGX (Blue)
C211309	CON048P with 48 PSC adapters (8 Six Packs) 118 LGX (Beige)
C211336	CON048P with 48 UST adapters (8 Six Packs) 118 LGX
C211345	CON048P with 48 PST adapters (8 Six Packs) 118 LGX
FM000181	CON048P with 24 UDL (dup) adapters (8 Three Packs) 118 LGX (Blue)
FM000182	CON048P with 24 PDL (dup) adapters (8 Three Packs) 118 LGX (Beige)
C213928	CON048P with 48 ASC adapters (8 Six Packs) 118 LGX (Green)
C213916	CON048P with 48 UFC adapters (8 Six Packs) 118 LGX
C213923	CON048P with 48 USC (ZR) adapters (8 Six Packs) 118 LGX (Blue)
C213919	CON048P with 48 AFC adapters (8 Six Packs) 118 LGX
C213934	CON048P with 48 ULC adapters (8 Six Packs) 118 LGX
FM000183	CON048P with 24 PSF (dup) adapters (8 Three Packs) 118 LGX (Beige)
FM000184	CON048P with 24 USF (dup) adapters (8 Three Packs) 118 LGX (Blue)
FM000185	CON048P with 24 ASF (dup) adapters (8 Three Packs) 118 LGX (Green)
FM000186	CON048P with 48 MTRJ adapters (8 Six Packs) 118 LGX (Blue)
3 RU HIGH DENSITY PATCH PANELS	
FM000187	CON096HD with 96 UST adapters (8 Twelve Packs) 118 LGX 96 Fibers
FM000188	CON096HD with 96 PST adapters (8 Twelve Packs) 118 LGX 96 Fibers
C211349	CON096HD with 48 UDL (dup) adapters (8 Six Packs) 118 LGX 96 Fibers
C211313	CON096HD with 48 PSF (dup) adapters (8 Six Packs) 118 LGX 96 Fibers
C211360	CON096HD with 48 PDL (dup) adapters (8 Six Packs) 118 LGX 96 Fibers
FM000189	CON096HD with 48 USF (dup) adapters (8 Six Packs) 118 LGX 96 Fibers
FM000190	CON096HD with 48 ASF (dup) adapters (8 Six Packs) 118 LGX 96 Fibers

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

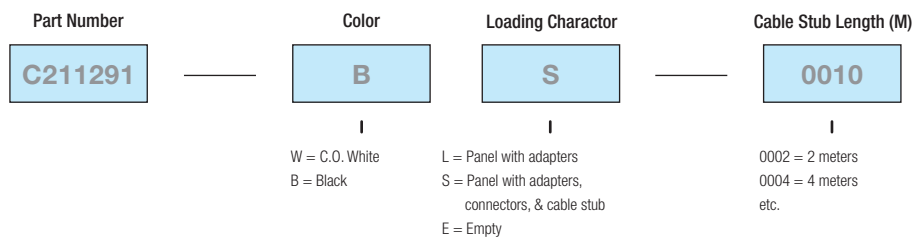
DESCRIPTION	PART NUMBER
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired. When ordering stubbed (S), enter the cable stub length required in meters.



Example: Order number for a panel Black in color, loaded with 48 USC adapters (8 six packs), connectors and a cable stub 10 meters in length.

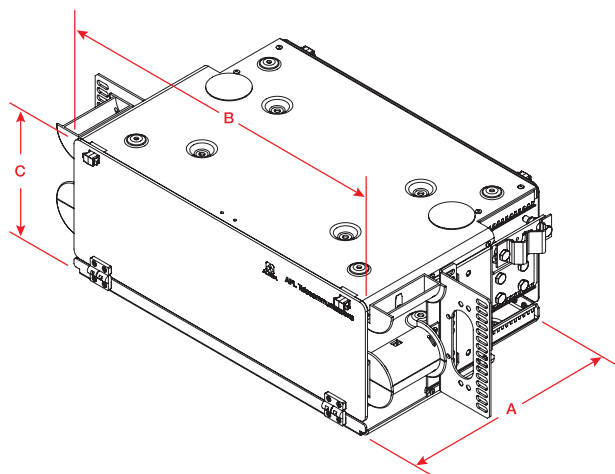
LightLink™ LANSys™ CON072P Fiber Termination Patch Panel



The CON072P Fiber Termination Panel is used where termination and connectivity of up to 72 fibers (standard density) or 144 fibers (high density) is desired. The panel design is based on a 4 rack unit height with a master plate to accommodate 12 LGX® compatible adapter plates or modules. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 72 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	7	4	72/144	9 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles and types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate and footprint (118mm or 130mm)
- Modular design
- Provides maximum protection of optical components
- Available with I/O loose tube stub

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209
- White or Black Texture Powder Coated
- Universal Mounting Bracket WECCO, EIA
- 19" and 23" Rack Compatible
- 144 fiber (high density) version uses 130mm master plate

LightLink™ LANSystem™ CON072P Fiber Termination Patch Panel

Ordering Information

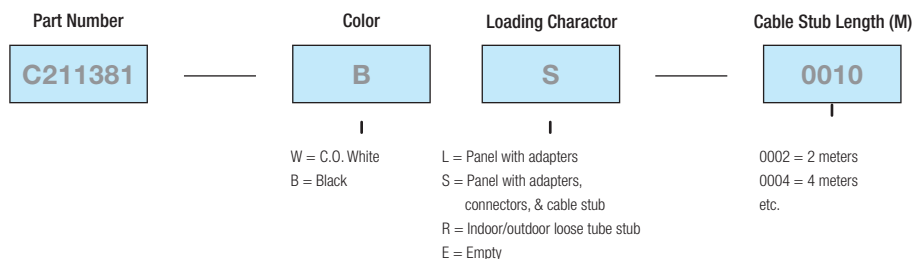
PART NUMBER	CONFIGURATION
4 RU PATCH PANELS	
C211372	CON072P – EMPTY 118 LGX
FM000344	CON072/96P – EMPTY 130 LGX
C211381	CON072P with 72 USC (PB) adapters (12 Six Packs) 118 LGX (Blue)
C211390	CON072P with 72 PSC adapters (12 Six Packs) 118 LGX (Beige)
C211417	CON072P with 72 UST adapters (12 Six Packs) 118 LGX
C211426	CON072P with 72 PST adapters (12 Six Packs) 118 LGX
FM000191	CON072P with 36 UDL (dup) adapters (12 Three Packs) 118 LGX (Blue)
FM000192	CON072P with 36 PDL (dup) adapters (12 Three Packs) 118 LGX (Beige)
C213955	CON072P with 72 ASC adapters (12 Six Packs) 118 LGX (Green)
C213941	CON072P with 72 UFC adapters (12 Six Packs) 118 LGX
C213952	CON072P with 72 USC (ZR) adapters (12 Six Packs) 118 LGX (Blue)
C213946	CON072P with 72 AFC adapters (12 Six Packs) 118 LGX
C213959	CON072P with 72 ULC adapters (12 Six Packs) 118 LGX
FM000193	CON072P with 36 PSF (dup) adapters (12 Three Packs) 118 LGX (Beige)
FM000136	CON072P with 36 USF (dup) adapters (12 Three Packs) 118 LGX (Blue)
FM000194	CON072P with 36 ASF (dup) adapters (12 Three Packs) 118 LGX (Green)
FM000195	CON072P with 72 MTRJ adapters (12 Six Packs) 118 LGX
4 RU HIGH DENSITY PATCH PANELS	
C211432	CON144HD with 72 UDL (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
FM000345	CON144HD with 72 ADL (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
C211396	CON144HD with 72 PSF (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
C211439	CON144HD with 72 PDL (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
FM000196	CON144HD with 72 USF (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
FM000197	CON144HD with 72 ASF (dup) adapters (12 Six Packs) 130 LGX 144 Fibers
FM000198	CON144HD with 144 UST adapters (12 Twelve Packs) 118 LGX 144 Fibers
FM000199	CON144HD with 144 PST adapters (12 Twelve Packs) 118 LGX 144 Fibers
FM000200	CON144HD with 144 UFC adapters (12 Twelve Packs) 118 LGX 144 Fibers
FM000133	CON144HD with 144 USC (PB) adapters (12 Twelve Packs) 130 LGX 144 Fibers
FM000201	CON144HD with 144 ASC adapters (12 Twelve Packs) 130 LGX 144 Fibers

Note: All MM cable is 62.5µm unless otherwise specified.

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.

When ordering stubbed (S), enter the cable stub length required in meters.



Example: Order number for a panel Black in color, loaded with 72 USC adapters (12 six packs), connectors and a cable stub 10 meters in length.

Accessories

DESCRIPTION	PART NUMBER
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

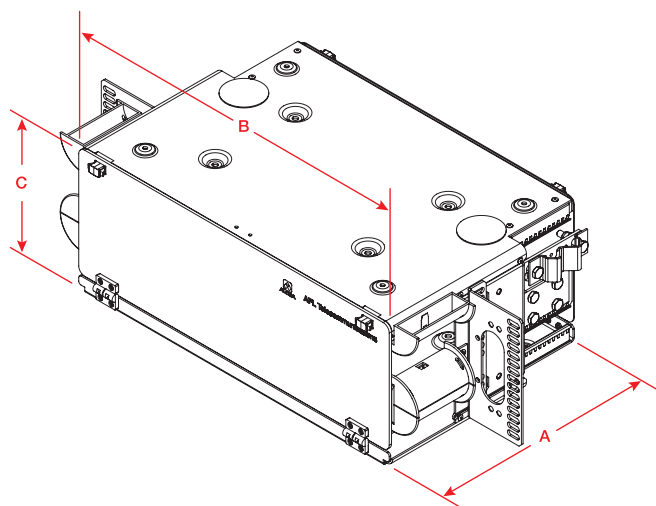
LightLink™ LANSys™ CON096P Fiber Termination Patch Panel



The CON096P Fiber Termination Panel is used where termination and connectivity of up to 96 fibers is desired. The panel design is based on a 4 rack unit height with a master plate to accommodate 12 LGX® compatible adapter plates or modules. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 96 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	7	4	96	9 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles and types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate and footprint (130mm)
- Modular design
- Provides maximum protection of optical components
- Utilizes (12) 8-packs
- Available with I/O loose tube stub

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209
- White or Black Texture Powder Coated
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible

LightLink™ LANSystem™ CON096P Fiber Termination Patch Panel

Ordering Information

PART NUMBER	CONFIGURATION
4 RU PATCH PANELS	
FM000344	CON072/96P – EMPTY 130 LGX
FM000202	CON096P with 96 USC (PB) adapters (12 Eight Packs) 4U Housing 130 LGX
FM000203	CON096P with 96 PSC adapters (12 Eight Packs) 4U Housing 130 LGX
C213964	CON096P with 96 UST adapters (12 Eight Packs) 4U Housing 130 LGX
FM000204	CON096P with 96 PST adapters (12 Eight Packs) 4U Housing 130 LGX
C213982	CON096P with 96 ASC adapters (12 Eight Packs) 4U Housing 130 LGX
C213970	CON096P with 96 UFC adapters (12 Eight Packs) 4U Housing 130 LGX
C213977	CON096P with 96 USC (ZR) adapters (12 Eight Packs) 4U Housing 130 LGX
C213973	CON096P with 96 AFC adapters (12 Eight Packs) 4U Housing 130 LGX
FM000205	CON096P with 96 MTRJ adapters (12 Eight Packs) 4U Housing 130 LGX

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

DESCRIPTION	PART NUMBER
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

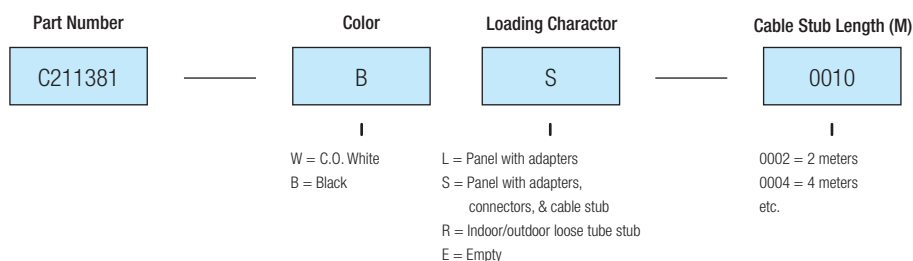
Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.

When ordering stubbed (S), enter the cable stub length required in meters.



Example: Order number for a panel Black in color, loaded with 72 USC adapters (12 six packs), connectors and a cable stub 10 meters in length.

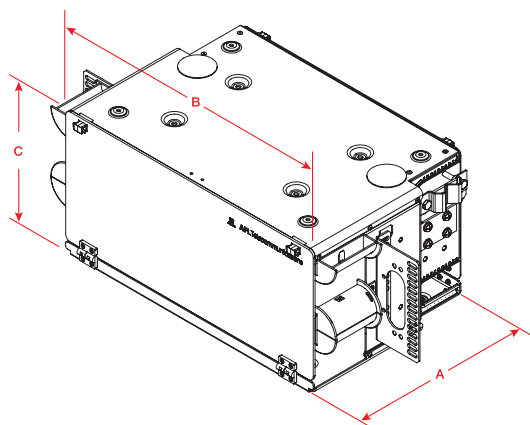
LightLink™ LANSys™ CON144P Fiber Termination Patch Panel



The CON144P Fiber Termination Panel is used where termination and connectivity of up to 144 fibers (standard density) or 288 (high density) is desired. The panel design is based on a 5 rack unit height with a master plate to accommodate 12 LGX® (170 mm) compatible adapter plates. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard 144 fiber OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up. High density panels use two 144 fiber stubs for 288 terminations.

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
11	17	8.75	5	144/288	9 lbs.	2.03 mm



LGX is a registered trademark of Furukawa Electric North America, Inc.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Various connector styles & types available
- Compatible with industry standard equipment frames
- LGX® compatible master plate (170mm)
- Modular design
- Provides maximum protection of optical components
- Available with I/O loose tube stub

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209, Standard Front Cover Lexan
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible
- Standard panels include OFNR stubbed top right rear

LightLink™ LANSystem™ CON144P Fiber Termination Patch Panel

Ordering Information

PART NUMBER	CONFIGURATION
5 RU PATCH PANELS	
C211453	CON144P – EMPTY 170 LGX
C211462	CON144P with 144 USC (PB) adapters (12 Twelve Packs) 170 LGX (Blue)
C211471	CON144P with 144 PSC adapters (12 Twelve Packs) 170 LGX (Beige)
C211498	CON144P with 144 UST adapters (12 Twelve Packs) 170 LGX
C211507	CON144P with 144 PST adapters (12 Twelve Packs) 170 LGX
FM000206	CON144P with 72 UDL (dup) adapters (12 Six Packs) 170 LGX (Blue)
FM000207	CON144P with 72 PDL (dup) adapters (12 Six Packs) 170 LGX (Beige)
C214009	CON144P with 144 ASC adapters (12 Twelve Packs) 170 LGX (Green)
C213995	CON144P with 144 UFC adapters (12 Twelve Packs) 170 LGX
C214006	CON144P with 144 USC (ZR) adapters (12 Twelve Packs) 170 LGX (Blue)
FM000208	CON144P with 72 PSF (dup) adapters (12 Six Packs) 170 LGX (Beige)
FM000209	CON144P with 72 USF (dup) adapters (12 Six Packs) 170 LGX (Blue)
FM000210	CON144P with 72 ASF (dup) adapters (12 Six Packs) 170 LGX (Green)
FM000211	CON144P with 144 MTRJ adapters (12 Twelve Packs) 170 LGX
5 RU HIGH DENSITY PATCH PANELS (USES TWO 144 STUBS)	
C211511	CON288HD with 144 UDL (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers
FM000346	CON288HD with 144 ADL (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers
C211522	CON288HD with 144 PDL (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers
C211475	CON288HD with 144 PSF (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers
FM000212	CON288HD with 144 USF (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers
FM000213	CON288HD with 144 ASF (dup) adapters (12 Twelve Packs) 170 LGX 288 Fibers

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

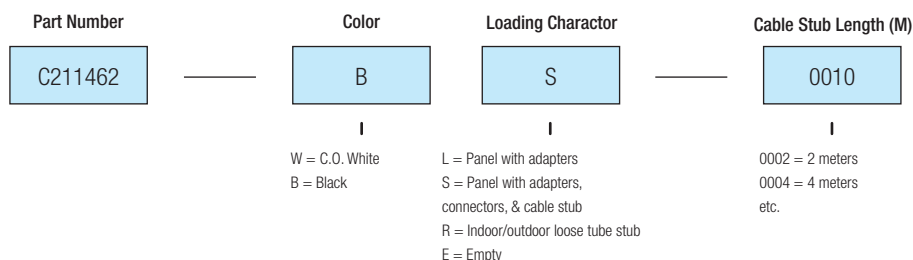
DESCRIPTION	PART NUMBER
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired. When ordering stubbed (S), enter the cable stub length required in meters.



Example: Order number for a panel Black in color, loaded with 144 USC adapters (12 twelve packs), connectors and a cable stub 10 meters in length.

LightLink™ LANSystem™ CNS012P - 12 Fiber Patch and Splice Panel



The unique design of the CNS012P incorporates a slide-out tray which provides access to the connectors/adapters and features a built-in splice chip that accommodates up to 48 single fusion splices. This design eliminates the cost and storage concerns of additional splice trays. In addition to the 48 single fusion splices, the CNS012P is designed to accommodate up to 12 terminations (standard density) or 24 fiber terminations (high density). The CNS012P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include six packs and adapters. Loaded panels also include pigtails (< 2 Meters).

Specifications

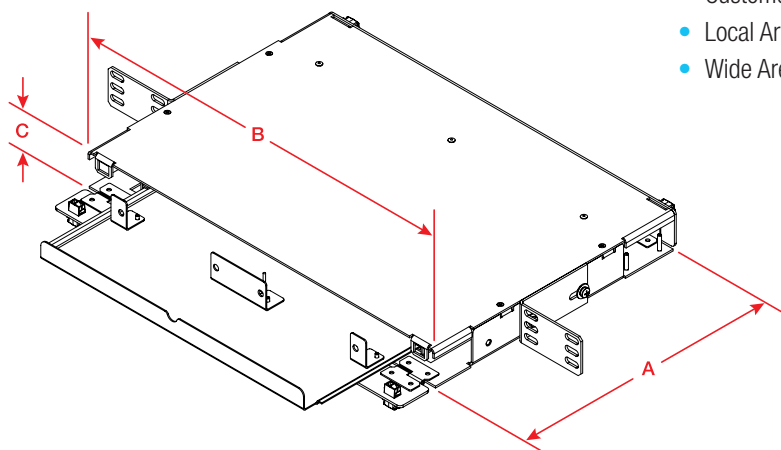
- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Integral splice tray in rear
- Two 118mm LGX® positions

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
11	17	1.75	1	12/24

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals



LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS012P - 12 Fiber Patch and Splice Panel

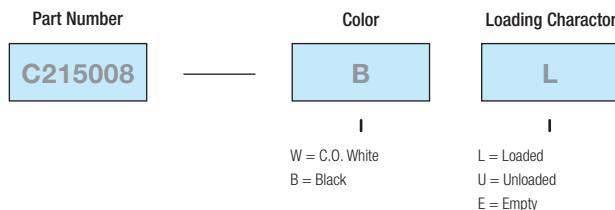
Ordering Information

PART NUMBER	CONFIGURATION
1U PATCH AND SPLICE PANELS	
C215327	CNS012P – EMPTY
C215008	CNS012P with 12 USC (PB) adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215017	CNS012P with 12 PSC adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215332	CNS012P with 12 UST adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215053	CNS012P with 12 PST adapters (2 Six Packs) 118 LGX Internal Splice Tray
FM000214	CNS012P with 6 UDL (dup) adapters (2 Three Packs) 118 LGX Internal Splice Tray (Blue)
FM000215	CNS012P with 6 PDL (dup) adapters (2 Three Packs) 118 LGX Internal Splice Tray (Beige)
C215350	CNS012P with 12 ASC adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215338	CNS012P with 12 UFC adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215345	CNS012P with 12 USC (ZR) adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215341	CNS012P with AFC adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215356	CNS012P with ULC adapters (2 Six Packs) 118 LGX Internal Splice Tray
FM000056	CNS012P with 6 PSC & 6 USC adapters (2 Six Packs) 118 LGX Internal Splice Tray
FM000216	CNS012P with 6 PSF (dup) adapters (2 Three Packs) 118 LGX Internal Splice Tray (Beige)
FM000217	CNS012P with 6 USF (dup) adapters (2 Three Packs) 118 LGX Internal Splice Tray (Blue)
FM000218	CNS012P with 6 ASF (dup) adapters (2 Three Packs) 118 LGX Internal Splice Tray (Green)
FM000219	CNS012P with 12 MTRJ adapters (2 Six Packs) 118 LGX Internal Splice Tray
1U HIGH DENSITY PATCH AND SPLICE PANELS	
FM000220	CNS024HD with 24 UST adapters (2 Twelve Packs) 118 LGX Internal Splice Tray
FM000221	CNS024HD with 24 PST adapters (2 Twelve Packs) 118 LGX Internal Splice Tray
C215057	CNS024HD with 12 UDL (dup) adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215021	CNS024HD with 12 PSF (dup) adapters (2 Six Packs) 118 LGX Internal Splice Tray
C215068	CNS024HD with 12 PDL (dup) adapters (2 Six Packs) 118 LGX Internal Splice Tray
FM000222	CNS024HD with 12 USF (dup) adapters (2 Six Packs) 118 LGX Internal Splice Tray
FM000223	CNS024HD with 12 ASF (dup) adapters (2 Six Packs) 118 LGX Internal Splice Tray

Note: All MM cable is 62.5µm unless otherwise specified.

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 12 USC adapters (2 six packs), pigtails with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice tray (12, 24) / drawer (48 & up), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice chip (12-24), pigtails with connectors, hardware, cable clamp.

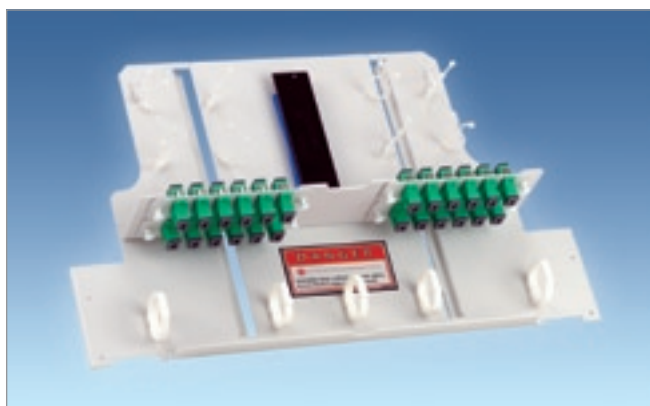
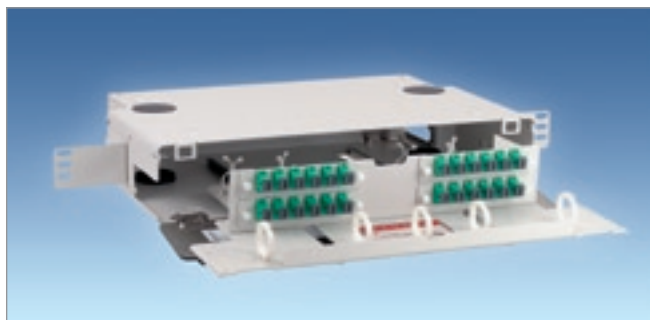
Accessories

Description	Part Number
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

Connector/Adapter Key

Type	Description
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

LightLink™ LANSystem™ CNS024P - 24 Fiber Patch and Splice Panel



The unique design of the CNS024P incorporates a slide-out tray which provides access to the connectors/adapters and features a built-in splice chip that accommodates up to 48 single fusion splices. This design eliminates the cost and storage concerns of additional splice trays. In addition to the 48 single fusion splices, the CNS024P is designed to accommodate up to 24 terminations (standard density) or 48 fiber terminations (high density). The CNS024P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include six packs and adapters. Loaded panels also include pigtails (< 2 Meters).

Specifications

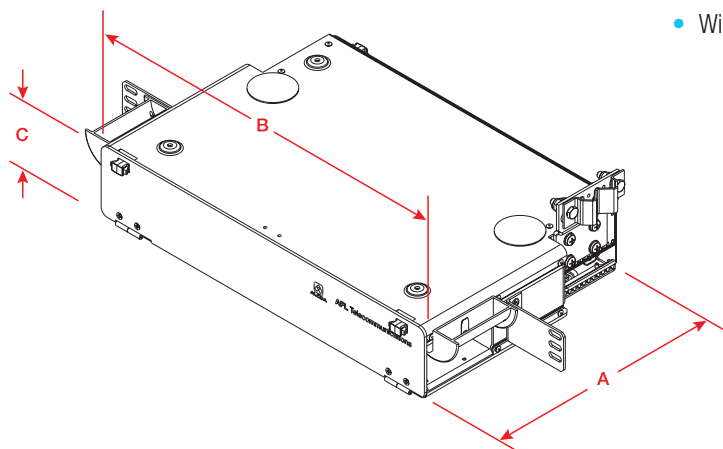
- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Four 118mm LGX® positions
- Integral splice tray in rear

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
11	17	3.5	2	24/48

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals



LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS024P - 24 Fiber Patch and Splice Panel

Ordering Information

PART NUMBER	CONFIGURATION
2U PATCH AND SPLICE PANELS	
C215158	CNS024P – EMPTY
C215086	CNS024P with 24 USC (PB) adapters (4 Six Packs) 118 LGX Internal Splice tray
C215093	CNS024P with 24 PSC adapters (4 Six Packs) 118 LGX Internal Splice tray
C215122	CNS024P with 24 UST adapters (4 Six Packs) 118 LGX Internal Splice tray
C215129	CNS024P with 24 PST adapters (4 Six Packs) 118 LGX Internal Splice tray
FM000224	CNS024P with 12 UDL (dup) adapters (4 three Packs) 118 LGX Internal Splice tray
FM000225	CNS024P with 12 PDL (dup) adapters (4 three Packs) 118 LGX Internal Splice tray
C215381	CNS024P with 24 ASC adapters (4 Six Packs) 118 LGX Internal Splice tray
C215368	CNS024P with 24 UFC adapters (4 Six Packs) 118 LGX Internal Splice tray
C215377	CNS024P with 24 USC (ZR) adapters (4 Six Packs) 118 LGX Internal Splice tray
C215374	CNS024P with 24 AFC adapters (4 Six Packs) 118 LGX Internal Splice tray
FM000226	CNS024P with 12 PSF (dup) adapters (4 three Packs) 118 LGX Internal Splice tray
FM000227	CNS024P with 12 USF (dup) adapters (4 three Packs) 118 LGX Internal Splice tray
FM000228	CNS024P with 12 ASF (dup) adapters (4 three Packs) 118 LGX Internal Splice tray
FM000229	CNS024P with 24 MTRJ adapters (4 Six Packs) 118 LGX Internal Splice tray
2U HIGH DENSITY PATCH AND SPLICE PANELS	
FM000230	CNS048HD with 4 UST adapters (4 Twelve Packs) 118 LGX Internal Splice Tray
FM000231	CNS048HD with 48 PST adapters (4 Twelve Packs) 118 LGX Internal Splice Tray
C215134	CNS048HD with 24 UDL (dup) adapters (4 Six Packs) 118 LGX Internal Splice tray
C215098	CNS048HD with 24 PSF (dup) adapters (4 Six Packs) 118 LGX Internal Splice tray
C215143	CNS048HD with 24 PDL (dup) adapters (4 Six Packs) 118 LGX Internal Splice tray
FM000232	CNS048HD with 24 USF (dup) adapters (4 Six Packs) 118 LGX Internal Splice tray
FM000233	CNS048HD with 24 ASF (dup) adapters (4 Six Packs) 118 LGX Internal Splice tray

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

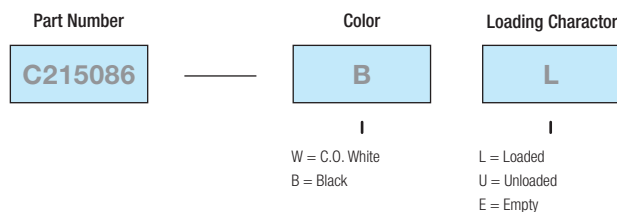
DESCRIPTION	PART NUMBER
Cable Clamp (Black)	C214522
Cable Clamp (White)	C210850

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 24 USC adapters (4 six packs), splice chip (24-48), pigtails with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice chip (24-48), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice chip (24-48), pigtails with connectors, hardware, cable clamp.

LightLink™ LANSystem™ CNS048P - 48 Fiber Patch and Splice Panel



Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
11	17	10.5	6	48/96

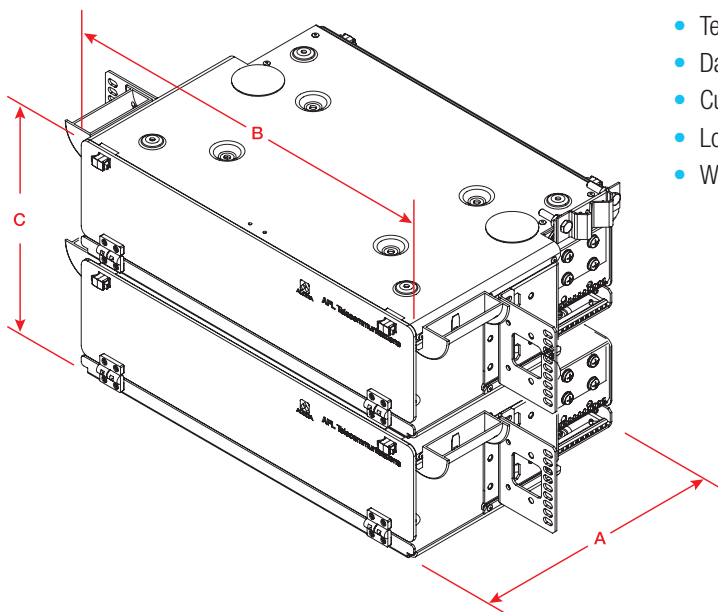
The CNS048P is a rack mountable fiber patch and splice panel designed to accommodate up to 48 fiber terminations (standard density) or 96 fiber terminations (high density) and up to 144 single fusion splices with optional STF-48 splice drawer. The CNS048P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include six packs, adapters and splice drawers. Loaded panels also include pigtails (<3 Meters).

Specifications

- Telcordia GR-63 NEBS tested
- Aluminum material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Uses two STF-48 splice drawers
- Two panel package - 3U patch, 3U splice
- Nine 118mm LGX® positions

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals



LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS048P - 48 Fiber Patch and Splice Panel

Ordering Information

PART NO.	CONFIGURATION
6U PATCH AND SPLICE PANELS (1 - 3U PATCH, 1 - 3U SPLICE)	
C211534	CNS048P – EMPTY
C211543	CNS048P with 48 USC (PB) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C211552	CNS048P with 48 PSC adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C211579	CNS048P with 48 UST adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C211588	CNS048P with 48 PST adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000234	CNS048P with 24 UDL (dup) adapters (8 Three Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000235	CNS048P with 24 PDL (dup) adapters (8 Three Packs) Splice Drawer (2 - 48 position) 118 LGX
C210928	CNS048P with 48 ASC adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C210913	CNS048P with 48 UFC adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C210922	CNS048P with 48 USC (ZR) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C210917	CNS048P with AFC adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C210931	CNS048P with ULC adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000236	CNS048P with 24 PSF (dup) adapters (8 Three Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000237	CNS048P with 24 USF (dup) adapters (8 Three Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000238	CNS048P with 24 ASF (dup) adapters (8 Three Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000239	CNS048P with 48 MTRJ adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
6U HIGH DENSITY PATCH AND SPLICE PANELS	
FM000240	CNS096HD with 96 UST adapters (8 Twelve Packs) Splice Drawer 2 - 48 position) 118 LGX
FM000241	CNS096HD with 96 PST adapters (8 Twelve Packs) Splice Drawer (2 - 48 position) 118 LGX
C211594	CNS096HD with 48 UDL (dup) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C211558	CNS096HD with 48 PSF (dup) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
C211601	CNS096HD with 48 PDL (dup) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000242	CNS096HD with 48 USF (dup) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX
FM000243	CNS096HD with 48 ASF (dup) adapters (8 Six Packs) Splice Drawer (2 - 48 position) 118 LGX

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

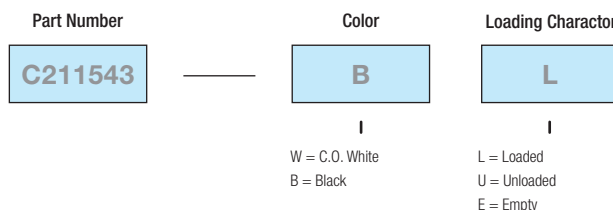
PART NO.	DESCRIPTION
C210850	Cable Clamp (White)
C214522	Cable Clamp (Black)
911442-00-00	Telescoping Splice Drawer

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 48 USC adapters (8 six packs), splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

LightLink™ LANSystem™ CNS072P - 72 Fiber Patch and Splice Panel



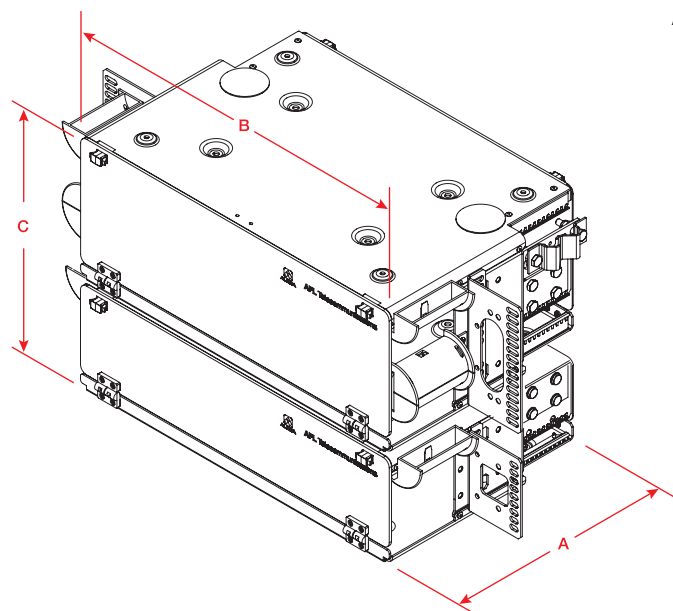
The CNS072P is a rack mountable fiber patch and splice panel designed to accommodate up to 72 fiber terminations (standard density) or 144 fiber terminations (high density) and up to 144 single fusion splices. The CNS072P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice drawers. Loaded panels also include pigtails (<3 Meters).

Specifications

- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Uses three STF-48 splice drawers
- Two panel package - 4U patch, 3U splice
- Twelve 118mm LGX® positions
- 144 fiber (high density) version uses 130mm master plate

Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
11	17	12.25	7	72/144



Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS072P - 72 Fiber Patch and Splice Panel

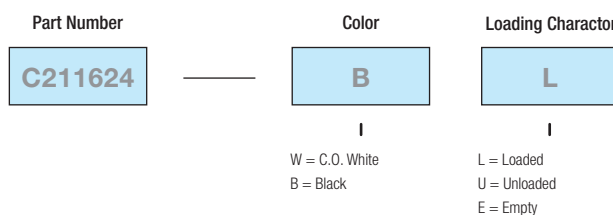
Standard Panel Ordering Information

PART NO.	CONFIGURATION
7U PATCH AND SPLICE PANELS (1 - 4U PATCH, 1 - 3U SPLICE)	
C211615	CNS072P – EMPTY 118 LGX
C210967	CNS072/96P – EMPTY 130 LGX
C211624	CNS072P with 72 USC (PB) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C211633	CNS072P with 72 PSC adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C211660	CNS072P with 72 UST adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C211669	CNS072P with 72 PST adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000244	CNS072P with 36 UDL (dup) adapters (12 Three Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000245	CNS072P with 36 PDL (dup) adapters (12 Three Packs) Splice Drawers (3 - 48 position) 118 LGX
C210958	CNS072P with 72 ASC adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C210946	CNS072P with 72 UFC adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C210953	CNS072P with 72 USC (ZR) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C210949	CNS072P with 72 AFC adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
C210964	CNS072P with 72 ULC adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000246	CNS072P with 36 PSF (dup) adapters (12 Three Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000247	CNS072P with 36 USF (dup) adapters (12 Three Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000248	CNS072P with 36 ASF (dup) adapters (12 Three Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000249	CNS072P with 72 MTRJ adapters (12 Six Packs) Splice Drawers (3 - 48 position) 118 LGX
7U HIGH DENSITY PATCH AND SPLICE PANELS (1 - 4U PATCH, 1 - 3U SPLICE)	
C211673	CNS144HD with 72 UDL (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 130 LGX
C211637	CNS144HD with 72 PSF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 130 LGX
C211684	CNS144HD with 72 PDL (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 130 LGX
FM000250	CNS144HD with 72 USF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 130 LGX
FM000251	CNS144HD with 72 ASF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 130 LGX
FM000252	CNS144HD with 144 UST adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000253	CNS144HD with 144 PST adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000254	CNS144HD with 144 UFC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 118 LGX
FM000255	CNS144HD with 144 USC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 130 LGX
FM000256	CNS144HD with 144 ASC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 130 LGX

Note: All MM cable is 62.5µm unless otherwise specified.

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 72 USC adapters (12 six packs), splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

Accessories

PART NO.	DESCRIPTION
C210850	Cable Clamp (White)
C214522	Cable Clamp (Black)
911442-00-00	Telescoping Splice Drawer

Connector/Adapter Key

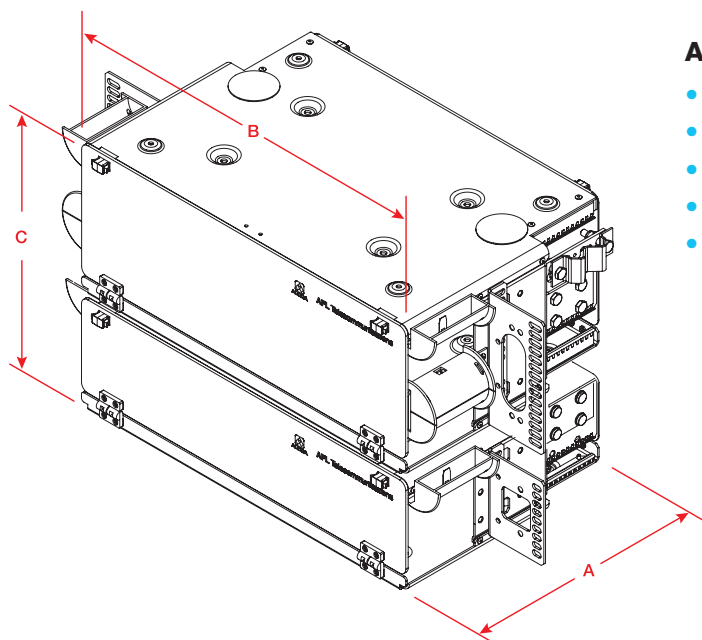
TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

LightLink™ LANSystem™ CNS096P - 96 Fiber Patch and Splice Panel



Dimensions

DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
11	17	12.25	7	96



The CNS096P is a rack mountable fiber patch and splice panel designed to accommodate up to 96 fiber terminations (standard density) or 144 fiber terminations (high density) and up to 144 single fusion splices. The CNS096P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice drawers. Loaded panels also include pigtails (<3 Meters).

Specifications

- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Uses two STF-48 splice drawers
- Two panel package - 4U patch, 3U splice
- Twelve 130mm LGX® positions
- Twelve 8-packs

Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS096P - 96 Fiber Patch and Splice Panel

Standard Panel Ordering Information

PART NO.	CONFIGURATION
7U PATCH AND SPLICE PANELS (1 - 4U PATCH, 1 - 3U SPLICE)	
C210967	CNS072/96P – EMPTY 130 LGX
C210971	CNS096P with 96 UST adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX
C210976	CNS096P with 96 UFC adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX
C210982	CNS096P with 96 AFC adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX
C210985	CNS096P with 96 USC (ZR) adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX
C210989	CNS096P with 96 ASC adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX
FM000257	CNS096P with 96 MTRJ adapters (12 Eight Packs) Splice Drawers (2 - 48 position) 130 LGX

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

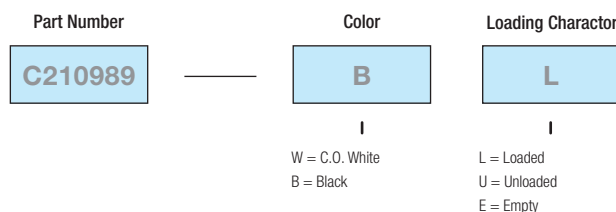
PART NO.	DESCRIPTION
C210850	Cable Clamp (White)
C214522	Cable Clamp (Black)
911442-00-00	Telescoping Splice Drawer

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 96 ASC adapters (12 eight packs), splice drawer (48 & up), pigtailed with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), pigtailed with connectors, hardware, cable clamp.

LightLink™ LANSystem™ CNS144P - 144 Fiber Patch and Splice Panel



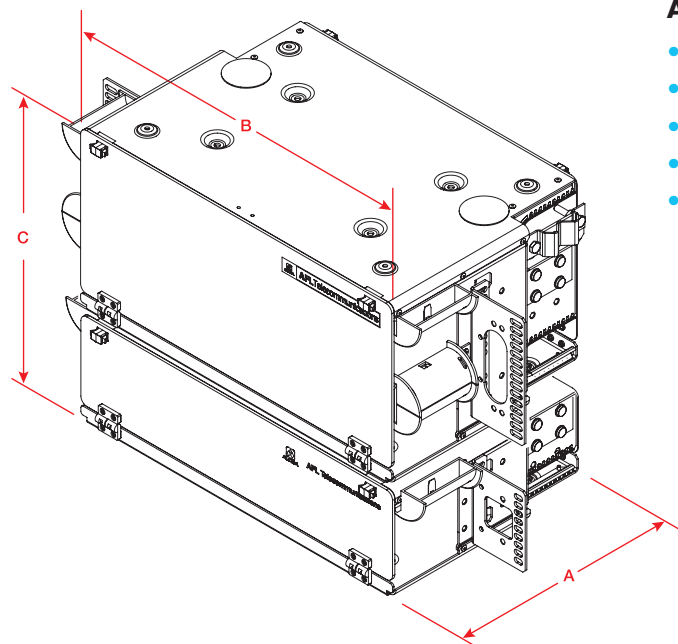
The CNS144P is a rack mountable fiber patch and splice panel designed to accommodate up to 144 fiber terminations (standard density) or 288 fiber terminations (high density) and up to 288 single fusion splices using double density splice trays. The CNS144P provides a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice drawers. Loaded panels also include pigtails (<3 Meters).

Specifications

- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209, Standard Front Cover Lexan
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity - one meter per spliced fiber (3mm jacket)
- Uses six STF-48 splice drawers
- Two pane package - 5U patch, 3U splice (4U splice panel with High Density version)
- Twelve 170mm LGX® positions

Dimensions

PANEL VERSION	DEPTH (A) IN INCHES	WIDTH (B) IN INCHES	HEIGHT (C) IN INCHES	RACK UNITS	FIBER CAPACITY
Standard	11	17	14	8	144
High Density	11	17	15.75	9	288



Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ LANSystem™ CNS144P - 144 Fiber Patch and Splice Panel

Standard Panel Ordering Information

PART NO.	CONFIGURATION
8U PATCH AND SPLICE PANELS (1 - 5U PATCH, 1 - 3U SPLICE)	
C211696	CNS144P – EMPTY
C211705	CNS144P with 144 USC (PB) adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
C211714	CNS144P with 144 PSC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
C211741	CNS144P with 144 UST adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
C211750	CNS144P with 144 PST adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000258	CNS144P with 72 UDL (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000259	CNS144P with 72 PDL (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 170 LGX
C211021	CNS144P with 144 ASC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
C211007	CNS144P with 144 UFC adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000260	CNS144P with 144 USC (ZR) adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000261	CNS144P with 72 PSF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000262	CNS144P with 72 USF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000263	CNS144P with 72 ASF (dup) adapters (12 Six Packs) Splice Drawers (3 - 48 position) 170 LGX
FM000264	CNS144P with 144 MTRJ adapters (12 Twelve Packs) Splice Drawers (3 - 48 position) 170 LGX
9U HIGH DENSITY PATCH AND SPLICE PANELS (1 - 5U PATCH, 1 - 4U SPLICE)	
C211756	CNS288HD with 144 UDL (dup) adapters (12 Twelve Packs) Splice Drawers (6 - 48 position) 170 LGX
C211763	CNS288HD with 144 PDL (dup) adapters (12 Twelve Packs) Splice Drawers (6 - 48 position) 170 LGX
C211720	CNS288HD with 144 PSF (dup) adapters (12 Twelve Packs) Splice Drawers (6 - 48 position) 170 LGX
FM000265	CNS288HD with 144 USF (dup) adapters (12 Twelve Packs) Splice Drawers (6 - 48 position) 170 LGX
FM000266	CNS288HD with 144 ASF (dup) adapters (12 Twelve Packs) Splice Drawers (6 - 48 position) 170 LGX

Note: All MM cable is 62.5µm unless otherwise specified.

Accessories

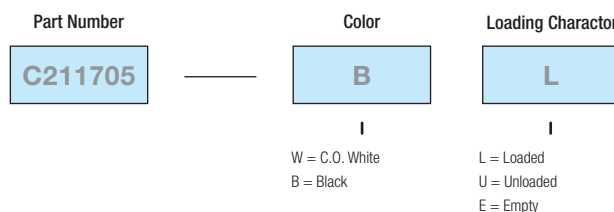
PART NO.	DESCRIPTION
C210850	Cable Clamp (White)
C214522	Cable Clamp (Black)
911442-00-00	Telescoping Splice Drawer

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel you need, specify black or C.O. white, and choose the loading character desired.



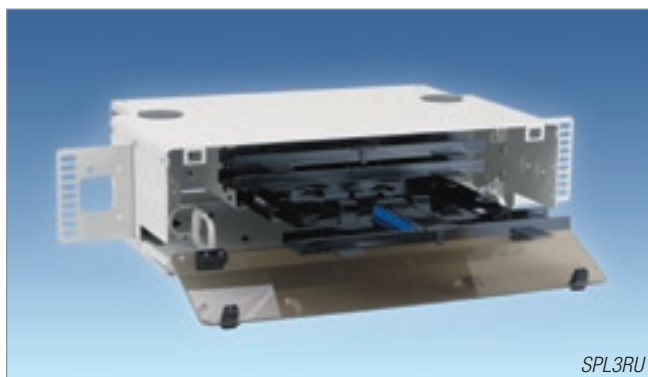
Example: Order number for a panel Black in color, loaded with, master plate, adapter plates, 144 USC adapters (12 twelve packs), splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

Empty - Includes master plate, mounting hardware, cable clamp.

Unloaded - Includes master plate, adapter plates, adapters, splice tray (12, 24) / drawer (48 & up), hardware, cable clamp.

Loaded - Includes master plate, adapter plates, adapters, splice drawer (48 & up), pigtails with connectors, hardware, cable clamp.

LightLink™ LANSystem™ SPL3RU and SPL4RU - Optical Splice Shelf



The LightLink™ LANSystem™ Optical Splice Shelf is designed to provide a convenient in-rack splicing and interconnection point for Outside Plant (OSP) cable entering a Central Office (CO), Controlled Environmental Vault (CEV), Headend (HE), or customer location. Units are available with three or six sliding, telescoping drawer assemblies. Each drawer is capable of handling up to 48 individual single-fused or up to 144 mass-fused fibers, with minimum bend radius routing and protection.

Features

- Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- Compatible with industry standard equipment frames
- For in-rack splicing of outside plant cable to connectorized pigtailed or riser cable
- Drawers handle up to 48 single-fused or 144 mass-fused fibers
- Cable entry/exit grommet seals
- Durable and scratch resistant power coated antique white finish
- Hinged plexiglass front and rear door
- Spring loaded latches

Specifications

- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible

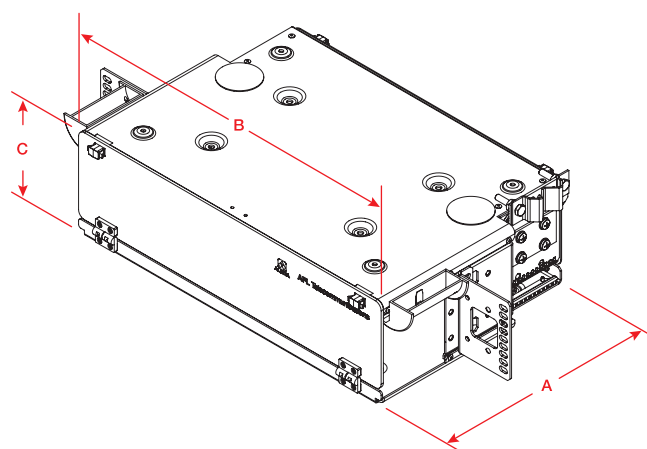
Applications

- | | |
|-----------------------------|--------------------|
| • Telecommunication Closets | • Central Offices |
| • Data Centers | • Hubs |
| • Customer Premise | • Cabinets |
| • Local Area Networks | • Remote Terminals |
| • Wide Area Networks | |

LightLink™ LANSystem™ SPL3RU and SPL4RU - Optical Splice Shelf

Dimensions

MODEL	NO. OF TRAYS	DEPTH (A) (INCHES)	WIDTH (B) (INCHES)	HEIGHT (C) (INCHES)	RACK UNITS	SPLICE CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
SPL3RU	3	11	17	5.25	3	144 single, 432 mass	8.4 lbs.	2.03mm
SPL4RU	6	11	17	7.00	4	288 single, 864 mass	9.0 lbs.	2.03mm



Ordering Information

PART NUMBER	DESCRIPTION
SPL3RU	
C211777 - W	CO White, 3RU (5.25") Optical Splice Shelf - Empty
C211777 - B	Black, 3RU (5.25") Optical Splice Shelf - Empty
C211781 - W	CO White, 3RU (5.25") Optical Splice Shelf - with 3 telescoping splice drawers
C211781 - B	Black, 3RU (5.25") Optical Splice Shelf - with 3 telescoping splice drawers
SPL4RU	
C211795 - W	CO White, 4RU (7.00") Optical Splice Shelf - Empty
C211795 - B	Black, 4RU (7.00") Optical Splice Shelf - Empty
C211799 - W	CO White, 4RU (7.00") Optical Splice Shelf - with 6 telescoping splice drawers
C211799 - B	Black, 4RU (7.00") Optical Splice Shelf - with 6 telescoping splice drawers
912128-00-01	LightLink System 2 - 4RU (7.00") Optical Splice Shelf

Accessories

PART NUMBER	MODEL	DESCRIPTION
911442-00-00	STF-48	Telescoping Splice Drawer, up to 48 single fused or 144 mass fused splices
FC000008	1x8-UCT-FR-Kit	1x8 Universal Core Tube Fiber Routing Kit
FC000070	1x6-URL-FR-Kit	1x6 Universal Ribbon or Loose Tube Fiber Routing Kit



IBX (Inter-bay Cross-connect panel)

The patent pending IBX is the first Fiber Distribution Panel (FDP) designed for use "between" frames. The IBX will fit within the 5 to 10-inch spacing that is common between most standard equipment racks. Two IBX panels can be installed vertically on each side of a standard 7-foot frame. IBX accessories include an optional Inter-bay Storage Panel Kit and Blank Panel Kits to complete vertical applications and installation.

Features

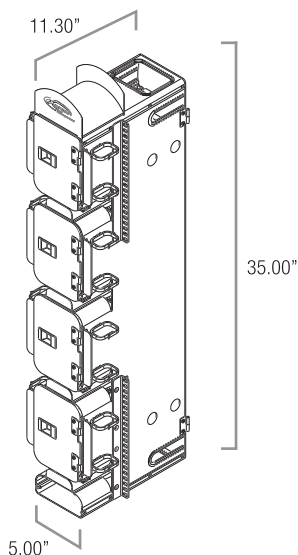
- Low-cost/time saving installation
- Provision network elements in 6, 12 and 24-fiber increments
- Scalable modular footprint
- Reduce cable congestion up to 80%
- Available pre-terminated with cable stub
- Compatible with Xpress Test/Access (TAM) and Cross-connect (CCM) modules
- Overcome existing and projected space constraints
- Terminate from 72 to 144 fibers between frames (IBX x 2 = 144/288)
- Add additional passive couplers/WDMs in space constrained rack environments
- Compatible with all standard equipment frames

Specifications

- Meets Telcordia GR-63 NEBS
- NEBS Compliant
- Aluminum Material per ASTM B209
- Front Cover Lexan
- Central Office White or Black texture powder coated

Applications

- Inter-office cross-connects
- Central office cross-connects
- High-density fiber management
- Inter-connect and cross-connect
- Manage fiber-rich network elements (OC-48, OC-192, etc.)
- DWDM
- DACS
- Telecommunication closets
- Data centers
- Customer premise
- Local area networks
- Wide area networks
- Gain rack space in CATV headend
- Gain rack space in CATV hub
- Node area reductions

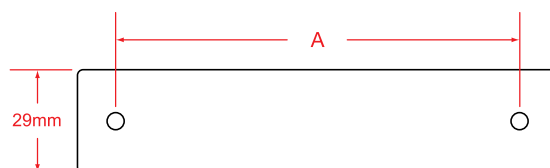




LightLink™ Adapter Plates

LightLink Adapter Plates add versatility to the AFL Telecommunications' panel product line. Adapter plates are compatible with industry standard platforms allowing for easy upgrades of existing panels. Adapter Plates come preloaded and are available in 6, 8, and 12 pack versions.

Specifications



DIMENSION A
118mm LGX®
130mm LGX®
170mm LGX®

Features

- Metal Plate with Nylatches
- Polyurethane powder coated (CO white or Black)
- LGX® compatible

MULTIPLE UNIT ORDERING OPTION

To order multiple units of the same part, select the base number from the ordering charts and add the quantity extension.

Example: FM000086 – 12Z

ORDERING MULTIPLE UNITS

1 = 1	6 = 6
2 = 2	8 = 8
3 = 3	12 = 12
4 = 4	XX = Specify

Ordering Information

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
C215512	3 SC Duplex	White	LGX 118	Vertical	SC SM	C092258	Blue	Ceramic
C215518	3 SC Duplex	White	LGX 118	Vertical	SC SM	C096266	Blue	Metal
C215521	3 SC Duplex	Black	LGX 118	Vertical	SC SM	C092258	Blue	Ceramic
C215525	3 SC Duplex	Black	LGX 118	Vertical	SC SM	C096266	Blue	Metal
C215530	3 SC Duplex	White	LGX 118	Vertical	SC MM	C209081	Beige	Ceramic
C215536	3 SC Duplex	White	LGX 118	Vertical	SC MM	C209383	Beige	Metal
C215539	3 SC Duplex	Black	LGX 118	Vertical	SC MM	C209081	Beige	Ceramic
C215543	3 SC Duplex	Black	LGX 118	Vertical	SC MM	C209383	Beige	Metal
FM000115	3 SC Duplex	White	LGX 118	Vertical	SC MM	CS000099	Green	Ceramic
FM000114	3 SC Duplex	White	LGX 118	Vertical	SC MM	CS000099	Green	Ceramic
C215548	3 SC Duplex	Black	LGX 118	Vertical	Empty	Empty	Empty	Empty
C215554	3 SC Duplex	White	LGX 118	Vertical	Empty	Empty	Empty	Empty
C215557	3 SC Duplex	White	LGX 118	Angled	SC SM	C092258	Blue	Ceramic
C215561	3 SC Duplex	White	LGX 118	Angled	SC SM	C096266	Blue	Metal
C215566	3 SC Duplex	Black	LGX 118	Angled	SC SM	C092258	Blue	Ceramic
C215572	3 SC Duplex	Black	LGX 118	Angled	SC SM	C096266	Blue	Metal
C215575	3 SC Duplex	White	LGX 118	Angled	SC MM	C209081	Beige	Ceramic
C215579	3 SC Duplex	White	LGX 118	Angled	SC MM	C209383	Beige	Metal
C215584	3 SC Duplex	Black	LGX 118	Angled	SC MM	C209081	Beige	Ceramic
C215590	3 SC Duplex	Black	LGX 118	Angled	SC MM	C209383	Beige	Metal
FM000086	3 SC Duplex	White	LGX 118	Angled	SC MM	CS000099	Green	Ceramic
FM000085	3 SC Duplex	Black	LGX 118	Angled	SC MM	CS000099	Green	Ceramic
C215593	3 SC Duplex	Black	LGX 118	Angled	Empty	Empty	Empty	Empty
C215597	3 SC Duplex	White	LGX 118	Angled	Empty	Empty	Empty	Empty

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
C220853	6 SC Duplex	Black	LGX 118	Angled	SC SM	C096266	Blue	Ceramic
C220849	6 SC Duplex	White	LGX 118	Angled	SC SM	C096266	Blue	Ceramic
FM000054	6 SC Duplex	Black	LGX 118	Angled	SC SM	C092266	Blue	Metal
C220439	6 SC Duplex	White	LGX 118	Angled	SC SM	C092266	Blue	Metal
C220846	6 SC Duplex	Black	LGX 118	Angled	SC MM	C209081	Beige	Ceramic
C219967	6 SC Duplex	White	LGX 118	Angled	SC MM	C209081	Beige	Ceramic
C220435	6 SC Duplex	White	LGX 118	Angled	SC MM	C209383	Beige	Metal
C219598	6 SC Duplex	Black	LGX 118	Angled	SC MM	C209383	Beige	Metal
FM000079	6 SC Duplex	White	LGX 118	Angled	SC SM	CS000099	Green	Ceramic
FM000082	6 SC Duplex	Black	LGX 118	Angled	SC SM	CS000059	Green	Ceramic
FM000139	6 SC Duplex	White	LGX 118	Angled	Empty	Empty	Empty	Empty
FM000140	6 SC Duplex	Black	LGX 118	Angled	Empty	Empty	Empty	Empty
C215602	6 SC Simplex	White	LGX 118	Straight	SC SM	C028851	Blue	Ceramic
C215608	6 SC Simplex	White	LGX 118	Straight	SC SM	C033235	Blue	Metal
C215611	6 SC Simplex	Black	LGX 118	Straight	SC SM	C028851	Blue	Ceramic
C215615	6 SC Simplex	Black	LGX 118	Straight	SC SM	C033235	Blue	Metal
C215620	6 SC Simplex	White	LGX 118	Straight	SC MM	C209560	Beige	Ceramic
C215626	6 SC Simplex	White	LGX 118	Straight	SC MM	C209563	Beige	Metal
C215629	6 SC Simplex	Black	LGX 118	Straight	SC MM	C209560	Beige	Ceramic
C215633	6 SC Simplex	Black	LGX 118	Straight	SC MM	C209563	Beige	Metal
C215638	6 SC Simplex	White	LGX 118	Straight	SC SM AP	C080810	Green	Ceramic
C215644	6 SC Simplex	Black	LGX 118	Straight	SC SM AP	C080810	Green	Ceramic
C215647	6 SC Simplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C215651	6 SC Simplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C215656	6 SC Simplex	White	LGX 118	Angled	SC SM	C028851	Blue	Ceramic
C215662	6 SC Simplex	White	LGX 118	Angled	SC SM	C033235	Blue	Metal
C215665	6 SC Simplex	Black	LGX 118	Angled	SC SM	C028851	Blue	Ceramic
C215669	6 SC Simplex	Black	LGX 118	Angled	SC SM	C209560	Blue	Metal
C215674	6 SC Simplex	White	LGX 118	Angled	SC MM	C209560	Beige	Ceramic
C215680	6 SC Simplex	White	LGX 118	Angled	SC MM	C209563	Beige	Metal
C215683	6 SC Simplex	Black	LGX 118	Angled	SC MM	C209560	Beige	Ceramic
C215687	6 SC Simplex	Black	LGX 118	Angled	SC MM	C209563	Beige	Metal
C215692	6 SC Simplex	White	LGX 118	Angled	SC SM AP	C080810	Green	Ceramic
C215698	6 SC Simplex	Black	LGX 118	Angled	SC SM AP	C080810	Green	Ceramic
C215701	6 SC Simplex	Black	LGX 118	Angled	Empty	Empty	Empty	Empty
C215705	6 SC Simplex	White	LGX 118	Angled	Empty	Empty	Empty	Empty
C220511	8 SC Simplex	White	LGX 118	Straight	SC SM	C028851	Blue	Ceramic
C224111	8 SC Simplex	White	LGX 118	Straight	SC SM	C033235	Blue	Metal
FM000156	8 SC Simplex	Black	LGX 118	Straight	SC SM	C028851	Blue	Ceramic
C224107	8 SC Simplex	Black	LGX 118	Straight	SC SM	C033235	Blue	Metal
C224129	8 SC Simplex	White	LGX 118	Straight	SC MM	C209560	Beige	Ceramic
C224122	8 SC Simplex	White	LGX 118	Straight	SC MM	C209563	Beige	Metal
C224125	8 SC Simplex	Black	LGX 118	Straight	SC MM	C209560	Beige	Ceramic
C224116	8 SC Simplex	Black	LGX 118	Straight	SC MM	C209563	Beige	Metal

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
FM000158	8 SC Simplex	White	LGX 118	Straight	SC SM AP	C080810	Green	Ceramic
FM000157	8 SC Simplex	Black	LGX 118	Straight	SC SM AP	C080810	Green	Ceramic
C224089	8 SC Simplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C224093	8 SC Simplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C215710	8 SC Simplex	White	LGX 130	Straight	SC SM	C028851	Blue	Ceramic
C215716	8 SC Simplex	White	LGX 130	Straight	SC SM	C033235	Blue	Metal
C215719	8 SC Simplex	Black	LGX 130	Straight	SC SM	C028851	Blue	Ceramic
C215723	8 SC Simplex	Black	LGX 130	Straight	SC SM	C033235	Blue	Metal
C215728	8 SC Simplex	White	LGX 130	Straight	SC MM	C209560	Beige	Ceramic
C215734	8 SC Simplex	White	LGX 130	Straight	SC MM	C209563	Beige	Metal
C215737	8 SC Simplex	Black	LGX 130	Straight	SC MM	C209560	Beige	Ceramic
C215741	8 SC Simplex	Black	LGX 130	Straight	SC MM	C209563	Beige	Metal
C215746	8 SC Simplex	White	LGX 130	Straight	SC SM AP	C080810	Green	Ceramic
C215752	8 SC Simplex	Black	LGX 130	Straight	SC SM AP	C080810	Green	Ceramic
C215755	8 SC Simplex	Black	LGX 130	Straight	Empty	Empty	Empty	Empty
C215759	8 SC Simplex	White	LGX 130	Straight	Empty	Empty	Empty	Empty
C215764	8 SC Simplex	White	LGX 130	Angled	SC SM	C028851	Blue	Ceramic
C215770	8 SC Simplex	White	LGX 130	Angled	SC SM	C033235	Blue	Metal
C215773	8 SC Simplex	Black	LGX 130	Angled	SC SM	C028851	Blue	Ceramic
C215777	8 SC Simplex	Black	LGX 130	Angled	SC SM	C033235	Blue	Metal
C215782	8 SC Simplex	White	LGX 130	Angled	SC MM	C209560	Beige	Ceramic
C215788	8 SC Simplex	White	LGX 130	Angled	SC MM	C209563	Beige	Metal
C215791	8 SC Simplex	Black	LGX 130	Angled	SC MM	C209560	Beige	Ceramic
C215795	8 SC Simplex	Black	LGX 130	Angled	SC MM	C209563	Beige	Metal
C215800	8 SC Simplex	White	LGX 130	Angled	SC SM AP	C080810	Green	Ceramic
C215806	8 SC Simplex	Black	LGX 130	Angled	SC SM AP	C080810	Green	Ceramic
C215809	8 SC Simplex	Black	LGX 130	Angled	Empty	Empty	Empty	Empty
C215813	8 SC Simplex	White	LGX 130	Angled	Empty	Empty	Empty	Empty
FM000117	12 SC Simplex	White	LGX 130	Straight	Empty	Empty	Empty	Empty
FM000118	12 SC Simplex	Black	LGX 130	Straight	Empty	Empty	Empty	Empty
FM000119	12 SC Simplex	White	LGX 130	Straight	SC SM	C028851	Blue	Ceramic
FN000120	12 SC Simplex	White	LGX 130	Straight	SC SM AP	C080810	Green	Ceramic
FM000121	12 SC Simplex	Black	LGX 130	Straight	SC SM	C028851	Blue	Ceramic
FM000122	12 SC Simplex	Black	LGX 130	Straight	SC SM AP	C080810	Green	Ceramic
C215818	12 SC Simplex	White	LGX 170	Straight	SC SM	C028851	Blue	Ceramic
C215824	12 SC Simplex	White	LGX 170	Straight	SC SM	C033235	Blue	Metal
C215827	12 SC Simplex	Black	LGX 170	Straight	SC SM	C028851	Blue	Ceramic
C215831	12 SC Simplex	Black	LGX 170	Straight	SC SM	C033235	Blue	Metal
C215836	12 SC Simplex	White	LGX 170	Straight	SC MM	C209560	Beige	Ceramic
C215842	12 SC Simplex	White	LGX 170	Straight	SC MM	C209563	Beige	Metal
C215845	12 SC Simplex	Black	LGX 170	Straight	SC MM	C209560	Beige	Ceramic
C215849	12 SC Simplex	Black	LGX 170	Straight	SC MM	C209563	Beige	Metal
C215854	12 SC Simplex	White	LGX 170	Straight	SC SM AP	C080810	Green	Ceramic
C215860	12 SC Simplex	Black	LGX 170	Straight	SC SM AP	C080810	Green	Ceramic
C215863	12 SC Simplex	Black	LGX 170	Straight	Empty	Empty	Empty	Empty
C215867	12 SC Simplex	White	LGX 170	Straight	Empty	Empty	Empty	Empty

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
C215926	6 FC Simplex	White	LGX 118	Straight	FC SM D Mount	C145357	Plated metal	Ceramic
C215932	6 FC Simplex	White	LGX 118	Straight	FC SM D Mount	C143680	Plated metal	Metal
C215935	6 FC Simplex	Black	LGX 118	Straight	FC SM D Mount	C145357	Plated metal	Ceramic
C215939	6 FC Simplex	Black	LGX 118	Straight	FC SM D Mount	C143680	Plated metal	Metal
C215944	6 FC Simplex	White	LGX 118	Straight	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C215950	6 FC Simplex	Black	LGX 118	Straight	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C215953	6 FC Simplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C215957	6 FC Simplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C223747	8 FC Simplex	White	LGX 118	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223751	8 FC Simplex	White	LGX 118	Staggered	FC SM D Mount	C143680	Plated metal	Metal
C223756	8 FC Simplex	Black	LGX 118	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223762	8 FC Simplex	Black	LGX 118	Staggered	FC SM D Mount	C143680	Plated metal	Metal
FM000275	8 FC Simplex	White	LGX 118	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
FM000276	8 FC Simplex	Black	LGX 118	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C223666-TW	8 FC Simplex	White	LGX 118	Staggered	Empty	Empty	Empty	Empty
C223666-TB	8 FC Simplex	Black	LGX 118	Staggered	Empty	Empty	Empty	Empty
FM000279	8 FC Simplex	White	LGX 130	Straight	FC SM D Mount	C145357	Plated metal	Ceramic
FM000280	8 FC Simplex	White	LGX 130	Straight	FC SM D Mount	C143680	Plated metal	Metal
FM000277	8 FC Simplex	Black	LGX 130	Straight	FC SM D Mount	C145357	Plated metal	Ceramic
FM000278	8 FC Simplex	Black	LGX 130	Straight	FC SM D Mount	C143680	Plated metal	Metal
FM000281	8 FC Simplex	White	LGX 130	Straight	FC SM D Mt Angled	C146566	Plated metal	Ceramic
FM000282	8 FC Simplex	Black	LGX 130	Straight	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C215899	8 FC Simplex	White	LGX 130	Straight	Empty	Empty	Empty	Empty
C215903	8 FC Simplex	Black	LGX 130	Straight	Empty	Empty	Empty	Empty
C223765	12 FC Simplex	White	LGX 118	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223774	12 FC Simplex	Black	LGX 118	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223769	12 FC Simplex	White	LGX 118	Staggered	FC SM D Mount	C143680	Plated metal	Metal
C223780	12 FC Simplex	Black	LGX 118	Staggered	FC SM D Mount	C143680	Plated metal	Metal
FM000283	12 FC Simplex	White	LGX 118	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
FM000284	12 FC Simplex	Black	LGX 118	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C223672-TW	12 FC Simplex	White	LGX 118	Staggered	Empty	Empty	Empty	Empty
C223672-TB	12 FC Simplex	Black	LGX 118	Staggered	Empty	Empty	Empty	Empty
C223819	12 FC Simplex	White	LGX 170	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223825	12 FC Simplex	Black	LGX 170	Staggered	FC SM D Mount	C145357	Plated metal	Ceramic
C223823	12 FC Simplex	White	LGX 170	Staggered	FC SM D Mount	C143680	Plated metal	Metal
C223834	12 FC Simplex	Black	LGX 170	Staggered	FC SM D Mount	C143680	Plated metal	Metal
C223837	12 FC Simplex	White	LGX 170	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
C223841	12 FC Simplex	Black	LGX 170	Staggered	FC SM D Mt Angled	C146566	Plated metal	Ceramic
FM000305	12 FC Simplex	White	LGX 170	Staggered	Empty	Empty	Empty	Empty
FM000306	12 FC Simplex	Black	LGX 170	Staggered	Empty	Empty	Empty	Empty

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
C215962	6 ST Simplex	White	LGX 118	Straight	ST SM D Mount	C094994	Plated metal	Ceramic
C215968	6 ST Simplex	White	LGX 118	Straight	ST MM D Mount	C096377	Plated metal	Metal
C215971	6 ST Simplex	Black	LGX 118	Straight	ST SM D Mount	C094994	Plated metal	Ceramic
C215975	6 ST Simplex	Black	LGX 118	Straight	ST MM D Mount	C096377	Plated metal	Metal
C215980	6 ST Simplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C215986	6 ST Simplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C223729	8 ST Simplex	White	LGX 118	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
C223733	8 ST Simplex	White	LGX 118	Staggered	ST MM D Mount	C096377	Plated metal	Metal
C223738	8 ST Simplex	Black	LGX 118	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
C223744	8 ST Simplex	Black	LGX 118	Staggered	ST MM D Mount	C096377	Plated metal	Metal
C223675-TW	8 ST Simplex	White	LGX 118	Staggered	Empty	Empty	Empty	Empty
C223675-TB	8 ST Simplex	Black	LGX 118	Staggered	Empty	Empty	Empty	Empty
C215908	8 ST Simplex	White	LGX 130	Straight	ST SM D Mount	C094994	Plated metal	Ceramic
C215917	8 ST Simplex	White	LGX 130	Straight	ST MM D Mount	C096377	Plated metal	Metal
C215917	8 ST Simplex	Black	LGX 130	Straight	ST SM D Mount	C094994	Plated metal	Ceramic
C215921	8 ST Simplex	Black	LGX 130	Straight	ST MM D Mount	C096377	Plated metal	Metal
C215376	8 ST Simplex	White	LGX 130	Straight	Empty	Empty	Empty	Empty
C216382	8 ST Simplex	Black	LGX 130	Straight	Empty	Empty	Empty	Empty
C223564	12 ST Simplex	White	LGX 118	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
C223567	12 ST Simplex	White	LGX 118	Staggered	ST MM D Mount	C096377	Plated metal	Metal
C223571	12 ST Simplex	Black	LGX 118	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
C223576	12 ST Simplex	Black	LGX 118	Staggered	ST MM D Mount	C096377	Plated metal	Metal
FM000285	12 ST Simplex	White	LGX 170	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
FM000123	12 ST Simplex	White	LGX 170	Staggered	ST MM D Mount	C096377	Plated metal	Metal
FM000286	12 ST Simplex	Black	LGX 170	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic
FM000124	12 ST Simplex	Black	LGX 170	Staggered	ST MM D Mount	C096377	Plated metal	Metal
FM000287	12 ST Simplex	White	LGX 170	Staggered	Empty	Empty	Empty	Empty
FM000288	12 ST Simplex	Black	LGX 170	Staggered	Empty	Empty	Empty	Empty
C215503	Blank	White	LGX 118	N/A	N/A	N/A	N/A	N/A
C215507	Blank	Black	LGX 118	N/A	N/A	N/A	N/A	N/A
C216385	Blank	White	LGX 130	N/A	N/A	N/A	N/A	N/A
C216389	Blank	Black	LGX 130	N/A	N/A	N/A	N/A	N/A
C216394	Blank	White	LGX 170	N/A	N/A	N/A	N/A	N/A
C216400	Blank	Black	LGX 170	N/A	N/A	N/A	N/A	N/A
C216016	3 LC Simplex	White	LGX 118	Straight	LC SM	C207202	Blue	Ceramic
C216022	3 LC Simplex	Black	LGX 118	Straight	LC SM	C207202	Blue	Ceramic
C216025	3 LC Simplex	White	LGX 118	Straight	LC MM	C207205	Beige	Ceramic
C216029	3 LC Simplex	Black	LGX 118	Straight	LC MM	C207205	Beige	Ceramic
C216034	3 LC Simplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C216040	3 LC Simplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
FM000289	3 LC Duplex	White	LGX 118	Straight	LC SM	C178298	Blue	Ceramic
FM000290	3 LC Duplex	Black	LGX 118	Straight	LC SM	C178298	Blue	Ceramic
FM000291	3 LC Duplex	White	LGX 118	Straight	LC MM	C203956	Beige	Metal
FM000292	3 LC Duplex	Black	LGX 118	Straight	LC MM	C203956	Beige	Metal
FM000293	3 LC Duplex	White	LGX 118	Straight	LC SM AP	C203962	Green	Ceramic
FM000294	3 LC Duplex	Black	LGX 118	Straight	LC SM AP	C203962	Green	Ceramic
FM000295	3 LC Duplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
FM000296	3 LC Duplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C215989	6 LC Duplex	White	LGX 118	Straight	LC SM	C178298	Blue	Ceramic
C215993	6 LC Duplex	Black	LGX 118	Straight	LC SM	C178298	Blue	Ceramic
C215998	6 LC Duplex	White	LGX 118	Straight	LC MM	C203956	Beige	Metal
C216004	6 LC Duplex	Black	LGX 118	Straight	LC MM	C203956	Beige	Metal
C216598	6 LC Duplex	White	LGX 118	Straight	LC SM AP	C203962	Green	Ceramic
C216601	6 LC Duplex	Black	LGX 118	Straight	LC SM AP	C203962	Green	Ceramic
C216007	6 LC Duplex	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C216011	6 LC Duplex	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
FM000307	6 LC Duplex	White	LGX 130	Straight	LC SM	C178298	Blue	Ceramic
FM000308	6 LC Duplex	Black	LGX 130	Straight	LC SM	C178298	Blue	Ceramic
FM000309	6 LC Duplex	White	LGX 130	Straight	LC MM	C203956	Beige	Metal
FM000310	6 LC Duplex	Black	LGX 130	Straight	LC MM	C203956	Beige	Metal
FM000311	6 LC Duplex	White	LGX 130	Straight	LC SM AP	C203962	Green	Ceramic
FM000312	6 LC Duplex	Black	LGX 130	Straight	LC SM AP	C203962	Green	Ceramic
FM000313	6 LC Duplex	White	LGX 130	Straight	Empty	Empty	Empty	Empty
FM000314	6 LC Duplex	Black	LGX 130	Straight	Empty	Empty	Empty	Empty
FM000297	6 LC Duplex	White	LGX 170	Straight	LC SM	C178298	Blue	Ceramic
FM000298	6 LC Duplex	Black	LGX 170	Straight	LC SM	C178298	Blue	Ceramic
FM000299	6 LC Duplex	White	LGX 170	Straight	LC MM	C203956	Beige	Metal
FM000300	6 LC Duplex	Black	LGX 170	Straight	LC MM	C203956	Beige	Metal
FM000301	6 LC Duplex	White	LGX 170	Straight	LC SM AP	C203962	Green	Ceramic
FM000302	6 LC Duplex	Black	LGX 170	Straight	LC SM AP	C203962	Green	Ceramic
FM000303	6 LC Duplex	White	LGX 170	Straight	Empty	Empty	Empty	Empty
FM000304	6 LC Duplex	Black	LGX 170	Straight	Empty	Empty	Empty	Empty
FM000131	12 LC Duplex	White	LGX 170	Angled	LC MM	C203956	Beige	Metal
FM000132	12 LC Duplex	Black	LGX 170	Angled	LC MM	C203956	Beige	Metal
FM000129	12 LC Duplex	White	LGX 170	Angled	LC SM	C178298	Blue	Ceramic
FM000130	12 LC Duplex	Black	LGX 170	Angled	LC SM	C178298	Blue	Ceramic
FM000338	12 LC Duplex	White	LGX 170	AngledAngled	LC SM AP	C203962	Green	Metal
FM000339	12 LC Duplex	Black	LGX 170	Straight	LC SM AP	C203962	Green	Metal

LightLink™ Adapter Plates

Ordering Information (cont.)

LGX® COMPATIBLE PLATES								
PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL
C216043	3 MTP	White	LGX 118	Straight	MTP SM	C057010	Black	N/A
C216047	3 MTP	Black	LGX 118	Straight	MTP SM	C057010	Black	N/A
C216052	3 MTP	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C216058	3 MTP	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C216061	6 MTP	White	LGX 118	Straight	MTP SM	C057010	Black	N/A
C216065	6 MTP	Black	LGX 118	Straight	MTP SM	C057010	Black	N/A
C216070	6 MTP	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C216076	6 MTP	Black	LGX 118	Straight	Empty	Empty	Empty	Empty
C216079	6 MTRJ	White	LGX 118	Straight	MTRJ MM	C196855	Beige	N/A
C216083	6 MTRJ	Black	LGX 118	Straight	MTRJ MM	C196855	Beige	N/A
C216088	6 MTRJ	White	LGX 118	Straight	Empty	Empty	Empty	Empty
C216094	6 MTRJ	Black	LGX 118	Straight	Empty	Empty	Empty	Empty



Pigtails for Patch and Splice Panels

AFL Telecommunications' pigtail assemblies help eliminate labor-intensive field termination, yet guarantee reliable performance. Featuring a unified construction allowing for easy fiber identification and rapid installation, these assemblies are built to exceed all TIA and Telcordia requirements.

Ordering Information

PART NUMBER	DESCRIPTION
CS000022-0003	Six 900µm PSC Pigtails, Multimode 62.5, 3 meters, BL-OR-GR-BR-SL-W
C223312-0002	Twelve 900µm ASC Pigtails, Single-mode, 2 meters, BL-OR-GR-BR-SL-W-R-BLA-Y-V-RO-AQ
C223492-0002	Twelve 900µm USC Pigtails, Single-mode, 2 meters, BL-OR-GR-BR-SL-W-R-BLA-Y-V-RO-AQ
C165943-0003	Twelve Fiber Circular Premise Cable, Single-mode, USC, 3 meters
C165463-0003	Twelve Fiber Circular Premise Cable, Multimode, PSC, 3 meters
C152671-0003	Twelve Fiber Circular Premise Cable, Single-mode, UST, 3 meters
C176309-0003	Twelve Fiber Circular Premise Cable, Single-mode, ASC, 3 meters
C157452-0003	Twelve Fiber Circular Premise Cable, Single-mode, UFC, 3 meters
C161085-0003	Twelve Fiber Circular Premise Cable, Single-mode, AFC, 3 meters
C223369-0003	Twelve Fiber Circular Premise Cable, Single-mode, ULC, 3 meters
C223366-0003	Twelve Fiber Circular Premise Cable, Multimode, PST, 3 meters
C223373-0003	Twelve Fiber Circular Premise Cable, Multimode, PLC, 3 meters
911560-00-01	SC/UPC Pigtail Kit, Includes: Loaded Adapter Panel, 6 Color Coded 3 Meter 900µm Pigtails
911531-00-01	SC/APC Pigtail Kit, Includes: Loaded Adapter Panel, 6 Color Coded 3 Meter 900µm Pigtails
911561-00-00	FC/UPC Pigtail Kit, Includes: Loaded Adapter Panel, 6 Color Coded 3 Meter 900µm Pigtails
911562-00-00	FC/APC Pigtail Kit, Includes: Loaded Adapter Panel, 6 Color Coded 3 Meter 900µm Pigtails
911563-00-00	ST/UPC Pigtail Kit, Includes: Loaded Adapter Panel, 6 Color Coded 3 Meter 900µm Pigtails



Shown in Black

LightLink™ LANSys™ Plug and Play Products

The LightLink LANSys Plug and Play Product Line is a family of preterminated fiber modules, chassis, cables and patch cords that streamlines the deployment of optical network infrastructure in an incremental growth platform. The Plug and Play modules and chassis are available in industry standard LGX® format in 1RU through 4RU configurations and offer higher density with a decreased footprint.

Features

- 12- and 24-port configurations
- Modular design
- Single LGX® slot packages with up to 12 terminations
- Available with SC, LC, ST, FC and MTRJ connector types
- Compatible with all LANSys™, CPS and IBX chassis platforms
- Available as MTP rear connection, pig-tailed with OFNR or preterm
- GR-445B and GR-2866 transitions
- Multimode and single-mode versions

Applications

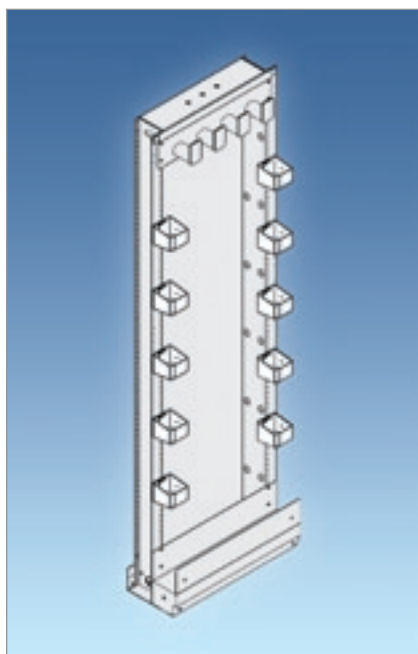
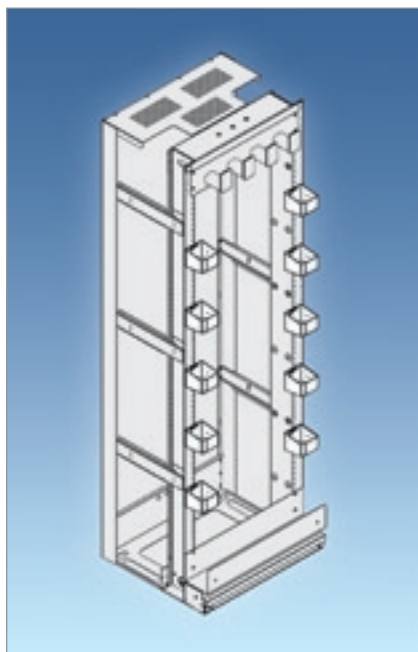
- LAN, WAN and SAN
- Interoffice cross-connects
- Campus environments

Related Products

- Pre-connectorized MTP ribbon cable assemblies in various pod designs
- LANSys™ chassis
- AFL Datapipe cable solutions

Ordering Information

PART NUMBER	MODEL NUMBER	COLOR	CONNECTOR/ADAPTERS	REAR CONNECTION	PACKAGE
FM000087-B	PPM,B,3,L,U,0,0,0	Black	6 SC-USF SM Duplex (ZR)	MTP	6 Single Space LGX118
FM000087-W	PPM,W,3,L,U,0,0,0	White	6 SC-USF SM Duplex (ZR)	MTP	6 Single Space LGX118
FM000272-B	PPM,B,3,L,V,0,0,0	Black	6 SC-PSF MM 50µm Duplex (ZR)	MTP	6 Single Space LGX118
FM000272-W	PPM,W,3,L,V,0,0,0	White	6 SC-PSF MM 50µm Duplex (ZR)	MTP	6 Single Space LGX118
FM000089-B	PPM,B,3,L,Z,0,0,0	Black	6 SC-PSF MM Duplex 62.5µm (ZR)	MTP	6 Single Space LGX118
FM000089-W	PPM,W,3,L,Z,0,0,0	White	6 SC-PSF MM Duplex 62.5µm (ZR)	MTP	6 Single Space LGX118
FM000090-B	PPM,B,3,L,W,0,0,0	Black	6 LC-UDL SM Duplex (ZR)	MTP	6 Single Space LGX118
FM000090-W	PPM,W,3,L,W,0,0,0	White	6 LC-UDL SM Duplex (ZR)	MTP	6 Single Space LGX118
FM000273-B	PPM,B,3,L,X,0,0,0	Black	6 LC-PDL MM 50µm Duplex (ZR)	MTP	6 Single Space LGX118
FM000273-W	PPM,W,3,L,X,0,0,0	White	6 LC-PDL MM 50µm Duplex (ZR)	MTP	6 Single Space LGX118
FM000092-B	PPM,B,3,L,AA,0,0,0	Black	6 LC-PDL MM Duplex 62.5µm (ZR)	MTP	6 Single Space LGX118
FM000092-W	PPM,W,3,L,AA,0,0,0	White	6 LC-PDL MM Duplex 62.5µm (ZR)	MTP	6 Single Space LGX118
FM000691-B	PPM,B,3,L,AD,0,0,0	Black	6 ULC SM Quad (ZR)	2 MTP	6 Single Space LGX118
FM000691-W	PPM,W,3,L,AD,0,0,0	White	6 ULC SM Quad (ZR)	2 MTP	6 Single Space LGX118
FM000692-B	PPM,B,3,L,AE,0,0,0	Black	6 PLC MM 50µm Quad (PB)	2 MTP	6 Single Space LGX118
FM000692-W	PPM,W,3,L,AE,0,0,0	White	6 PLC MM 50µm Quad (PB)	2 MTP	6 Single Space LGX118
FM000093-B	PPM,B,5,L,J,0,0,0	Black	12 ST-UST SM (ZR)	MTP	12 Single Space LGX118
FM000093-W	PPM,W,5,L,J,0,0,0	White	12 ST-UST SM (ZR)	MTP	12 Single Space LGX118
FM000274-B	PPM,B,5,L,K,0,0,0	Black	12 ST-PST MM 50µm (PB)	MTP	12 Single Space LGX118
FM000274-W	PPM,W,5,L,K,0,0,0	White	12 ST-PST MM 50µm (PB)	MTP	12 Single Space LGX118
FM000095-B	PPM,B,5,L,L,0,0,0	Black	12 ST-PST MM 62.5µm (PB)	MTP	12 Single Space LGX118
FM000095-W	PPM,W,5,L,L,0,0,0	White	12 ST-PST MM 62.5µm (PB)	MTP	12 Single Space LGX118



LightLink™ Equipment Frame System LightLink™ Equipment Relay Rack

The LightLink Equipment Frame System (EFS) is designed to support traditional equipment and fiber management in Central Offices (CO), Headends (HE), Remote Terminals (RT) and co-locate installations. The system is completely backward compatible with the existing industry standard LGX footprint. The Equipment Frame System includes; upper Horizontal Routing Module (HRM), Lower Fiber Trough, 38 RU (1.75") of mounting space and five pairs of Vertical Fiber Retainer Brackets.

The freestanding Equipment Rack (ER) is a standard unequal flange 239 rack designed for Remote Terminal, Central Office, or other rack environment. The Equipment Rack includes; upper Horizontal Routing Module (HRM), Lower Fiber Trough, 38 RU (1.75") of mounting space and five pairs of Vertical Fiber Retainer Brackets. Both the EFS and ER are available in a fully tested NEBS compliant Zone 4 Seismic design and are UL® and CUL® listed.

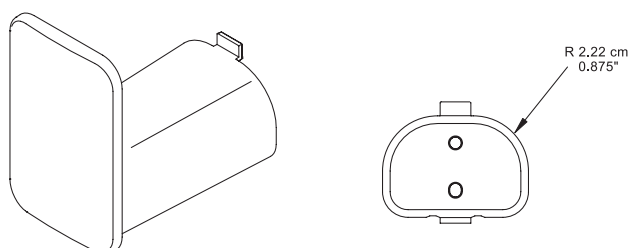
Specifications

PARAMETER	VALUE
EFS Dimensions (H x W x D) in. (cm)	84.00 x 26.14 x 22.95 (214 x 66.40 x 58.29)
ER Dimensions (H x W x D) in. (cm)	84.00 x 26.14 x 10.00 (214 x 66.40 x 25.40)
Material (in.)	Steel – standard rack (0.75) rails, (1.20) base Zone 4 rack – (1.20) base and rails
Coatings	Electrostatically applied, textured powder coat
Color	Granite

Ordering Information

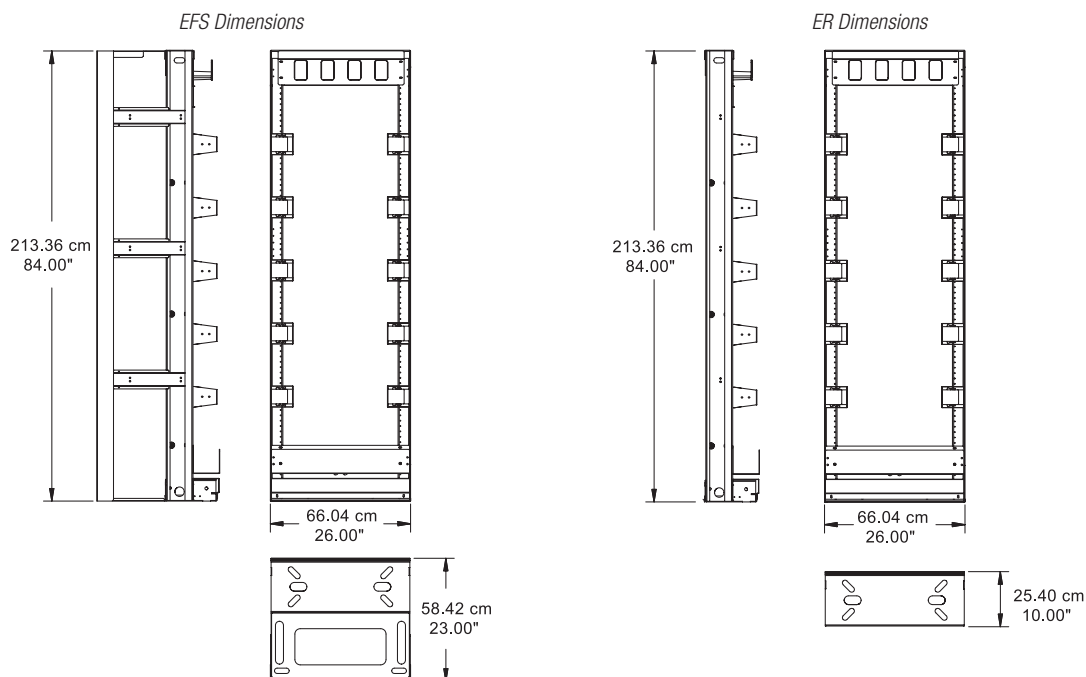
DESCRIPTION	MODEL #	PART #
Equipment Frame System	EFS-23-7	912265-00-01
Zone 4 Equipment Frame System	EFS-23-7-Z4	912408-00-00
Equipment Relay Rack	ER-23-7	912462-00-00
Zone 4 Equipment Relay Rack	ER-23-7-Z4	912409-00-00

Spool Bend Radius

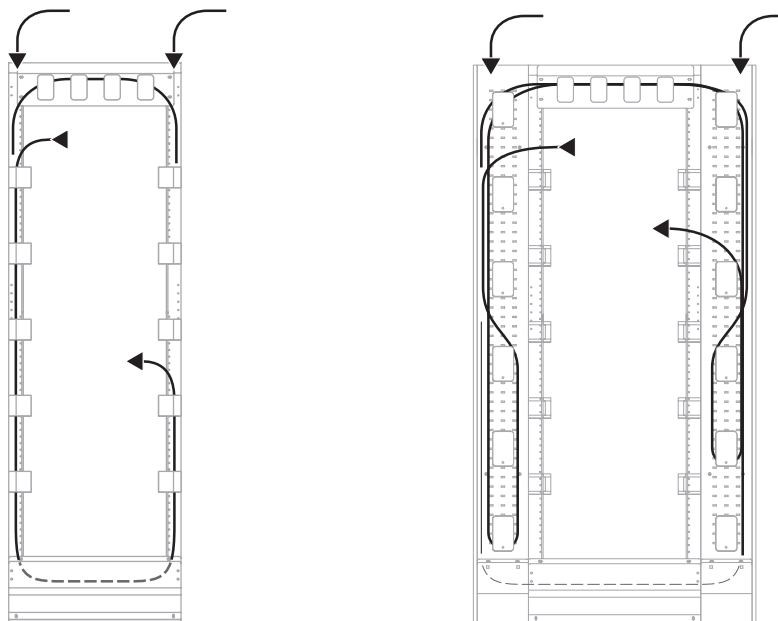


LightLink™ Equipment Frame System LightLink™ Equipment Relay Rack

Dimensions



Fiber Routing





LightLink™ Equipment Frame System Rear Door Kit

The Equipment Frame System (EFS) Rear Door Kit is designed for the EFS-23-7 and provides additional protection to sensitive components mounted in the rack. The EFS Rear Door Kit also improves system appearance.

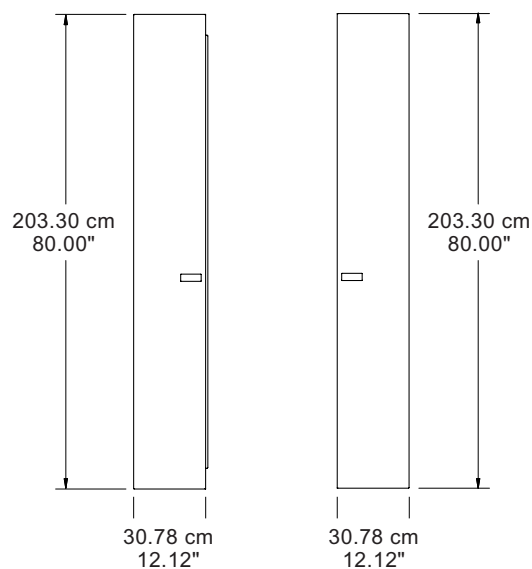
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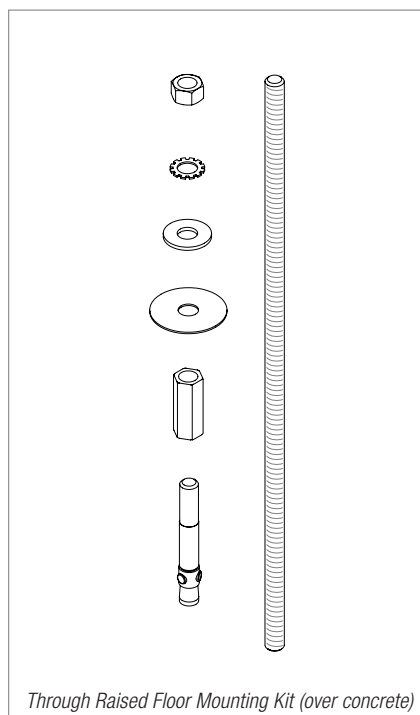
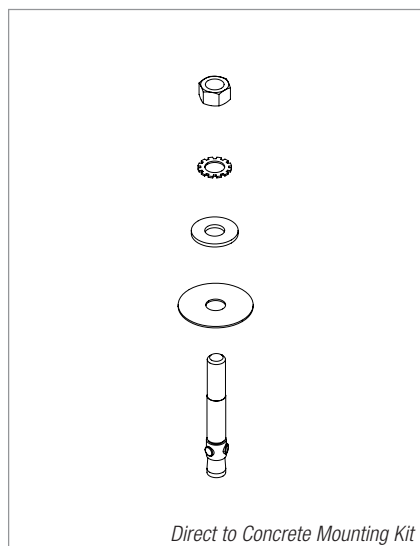
PARAMETER	VALUE
Dimensions in. (cm)	80.00 x 24.25 (203.30 x 61.60)
Material (in.)	Steel reinforced panels (0.060)
Coatings	Electrostatically applied, textured powder coat
Color	Granite

Ordering Information

DESCRIPTION	MODEL #	PART #
Rear Door Kit for EFS-SYS2-23-7	EFS-RD-23-7	912266-00-00

Dimensions





LightLink™ Rack Mounting Kits

The LightLink Rack Mounting Kits are designed to secure the EFS or ER in concrete, raised floor or through raised floor type installations.

Kit Contents

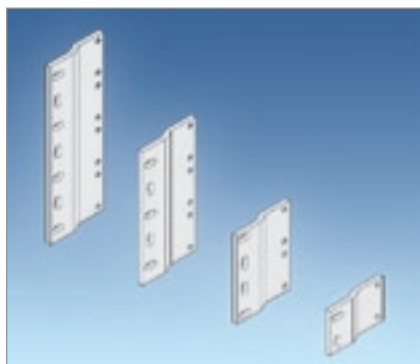
PART DESCRIPTION	EFS-MKCF 911265-00-00	EFS-MKRF 911266-00-00	EFS-MKRF-NC 911287-00-00
#1/2-13 Wedge Anchors	4	4	—
#1/2-13 Hex Nut	4	4	4
#1/2 Tooth Lockwasher	4	4	4
#1/2 Flat Washer	4	4	8
#1/2 Fender Washer	4	4	4
#1/2-13 Hex Coupling Nut	—	4	—
#1/2-13 x 18" Threaded Rod	—	4	—
#1/2-13 x 3-1/2" Full Thread Hex Bolt	—	—	4
Support Bracket	—	—	2

Specifications

PARAMETER	VALUE
Material	Steel nuts, washers, bolts, threaded rods, etc.
Coatings	All materials are plated
Color	n/a

Ordering Information

DESCRIPTION	MODEL	PART #
Floor Mounting Kit (direct to concrete)	EFS-MKCF	911265-00-00
Floor Mounting Kit through raised floor over concrete	EFS-MKRF	911266-00-00



LightLink™ 23" to 19" Adapter Brackets

Adapter Brackets allow for the mounting of 19" (1 RU, 2 RU, 3 RU or 4 RU) equipment or termination panels, that do not have 23" mounting ears, into the EFS or ER 23" frames. Adapter Brackets are designed to mate up with most equipment or panel product mounting brackets.

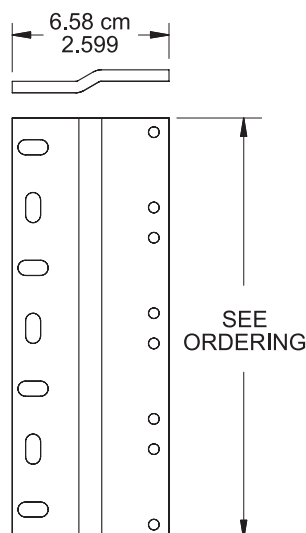
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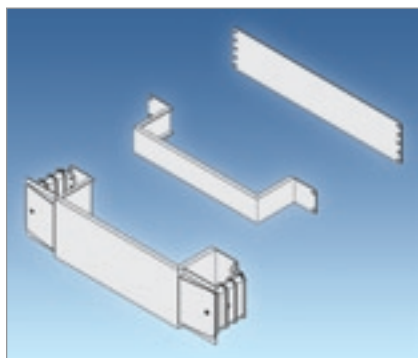
PARAMETER	VALUE
Dimensions (in.)	1.75" (1 RU), 3.5" (2 RU), 5.25" (3 RU), 7.0" (4 RU)
Material (in.)	Aluminum (0.190)
Coatings	Electrostatically applied, powder coat
Color	Antique White

Ordering Information

DESCRIPTION	MODEL #	PART #
Adapter Bracket 1 RU	EFS-SYS2-BRKT-2319-1RU	912274-00-00
Adapter Bracket 2 RU	EFS-SYS2-BRKT-2319-2RU	912274-01-00
Adapter Bracket 3 RU	EFS-SYS2-BRKT-2319-3RU	912274-02-00
Adapter Bracket 4 RU	EFS-SYS2-BRKT-2319-4RU	912274-03-00

Dimensions





LightLink™ Filler Panels

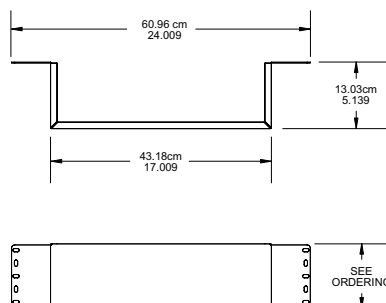
Filler Panels are designed for additional protection of rack-mounted components or to dress out vacant rack positions. The 7" (4 RU) offset filler panel provides the addition of a covered Vertical Cable Guide (VCG), which increases the protection of fiber jumpers within the Equipment Frame System or Equipment Rack.

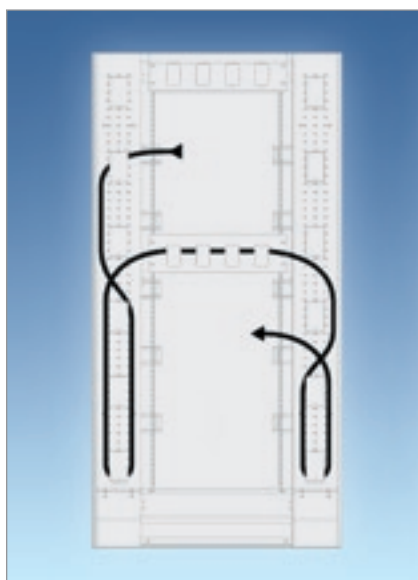
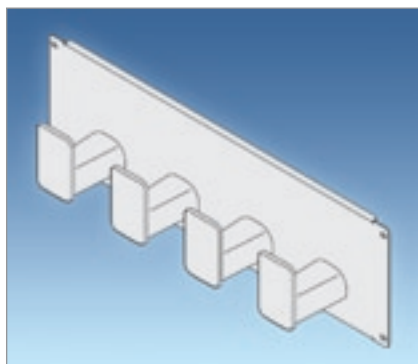
Ordering Information

OFFSET FILLER PANELS		
DESCRIPTION	MODEL #	PART #
1" Offset Filler Panel (kit of 5 pieces)	EFS-SYS2-FP-1	912273-00-00
2" Offset Filler Panel (kit of 5 pieces)	EFS-SYS2-FP-2	912273-01-00
3" Offset Filler Panel (kit of 5 pieces)	EFS-SYS2-FP-3	912273-02-00
5" Offset Filler Panel (kit of 5 pieces)	EFS-SYS2-FP-5	912273-03-00
VCG (Vertical Cable Guide) Replacement Kit (2 guides)	EFS-SYS2-VCG-kit	912272-00-00

STANDARD BLANK (KITS OF 1 PIECE)	
DESCRIPTION	PART #
1.75" Filler Panel (19")	911234-00
3.5" Filler Panel (19")	911234-01
5.25" Filler Panel (19")	911234-02
7.0" Filler Panel (19")	911234-03
8.75" Filler Panel (19")	911234-04
3.5" Filler Panel (23")	911234-02
7.0" Filler Panel (23")	911234-00
8.75" Filler Panel (23")	911234-01

Dimensions





LightLink™ Horizontal Intermediate Routing Module

The Horizontal Intermediate Routing Module (HIRM) was designed to allow for jumper management at a midpoint within the EFS or ER frame assembly. Jumpers can be safely routed from one side to the other eliminating the need for longer jumpers. The HIRM Spools are designed to limit bend radii.

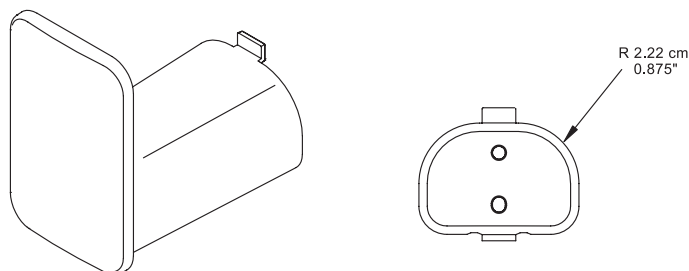
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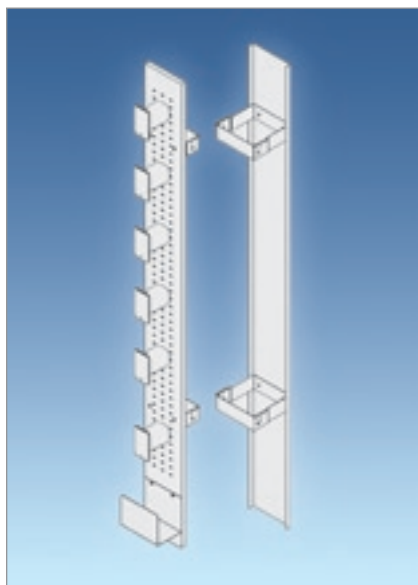
PARAMETER	VALUE
Dimensions (H x W) in. (cm)	7.00" (4 RU) x 24.00" (17.78 x 60.96)
Material (in.)	Panel – Aluminum (0.080) Spools – Polycarbonate
Coatings	Electrostatically applied, textured powder coat
Color	Granite

Ordering Information

DESCRIPTION	MODEL #	PART #
Horizontal Intermediate Routing Module	EFS-HIRM	FM000026
Horizontal Spool Replacement Kit (Fits either the Upper Horizontal Routing Module, included with EFS and ER or the Horizontal Intermediate Routing Module (HIRM), Includes 4 Spools)	EFS-HSR-Kit	912269-00-00

HIRM spool bend radius



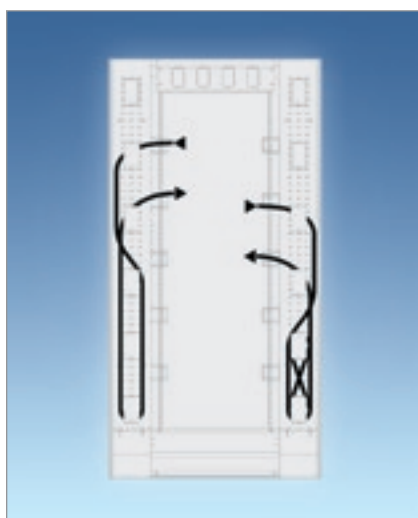


LightLink™ Vertical Slack Storage Module

The LightLink Vertical Slack Storage Module (VSSM) provides an organized method for storing excess optical jumper slack and routing optical jumpers within the frame system or between adjoining frame systems, thus helping to eliminate the need for numerous lengths of optical jumpers. The module is equipped with six patented high impact resistant Lexan™ adjustable slack spools that are designed with bend limiting radii and a lower fiber trough. Spools may be adjusted horizontally and vertically on the module's grid.

Specifications

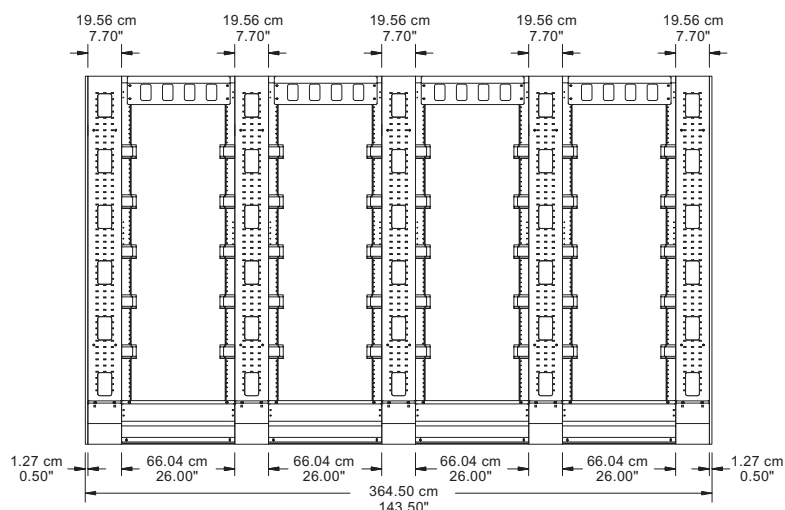
PARAMETER	VALUE
Dimensions (H x W) in. (cm)	84.00" x 7.70" (214 x 19.56)
Material (in.)	Steel – all structural components (0.060) Lexan 940 – molded components
Coatings / Color	Electrostatically applied, textured powder coat / Granite



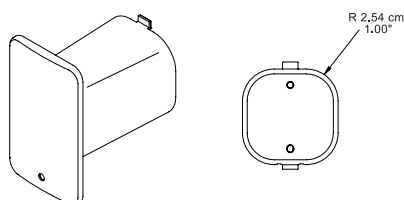
Ordering Information

DESCRIPTION	MODEL #	PART #
VSSM with mounting hardware and rear panel for Equipment Frame System (EFS-23-7)	EFS-VSSM	912270-00-00
VSSM with mounting hardware for Equipment Relay Rack (ER-23-7)	ER-VSSM	912614-00-00

Dimensions (Typical Multi-Unit Application)



Spool Bend Radius





LightLink™ OptiNID OPN-1224 Optical Demarcation Closure

The OptiNID-1224 is an optical demarcation closure designed for use in either indoor or outdoor environments. It is capable of housing up to 24 bulkhead adapters in two 118 LGX® compatible adapter plates and comes equipped with a splice tray (LL-2425), which holds up to 24 single fusion splices. The OPN-1224 can be either wall or pole-mounted.

Features

- Capacity for up to two 118 LGX® compatible adapter plates
- Weather-resistant thermoplastic alloy
- Self-latching, hinged cover design allows easy access without loose parts
- Self-sealing individual entrance ports prevent water and insects from entering
- Provider override is provided so that technician can override customer lock
- Locations available on front cover for custom logos

Specifications

PARAMETER	VALUES
Dielectric Strength	Minimum 2500 Vrms for 1 minute
High Temperature Storage/Mold Stress °F (°C)	14 days at 159 (70.55)
Temperature Cycling with Humidity °F (°C)	150 day cycling from 40-140 (4.44-60) with 95% RH
Impact Test °F (°C)	-40 (-40), 5*/lbs. on all external surfaces
Drop Test °F (°C)	-40 (-40), 5* (12.7 cm) onto concrete surface 4 times
Rain	24 hours at 10 psi
UV Resistance (Days Exposed)	60 per ASTM-G26-84
Salt Fog (Days Exposed)	60 per ASTM-BLL7-90
Flammability	UL94-5V
Chemical Resistance 30 Days at 100 °F and 95% RH Subject to:	Resists chipping and/or cracking when subject to: house paint, wasp spray, sulfuric acid, kerosene and sodium hydroxide
Material	U.L.® listed flame retardant thermoplastic alloy
Dimensions (H x W x D) in. (cm)	12.25 x 12 x 5.25 (22.80 x 22.80 x 7.60)
Cable Entrances in. (cm) diameter - Output	5 x 0.625 (1.5)
Cable Entrances in. (cm) diameter - Input	2 x 0.75 (1.5), 1 x 0.250 (0.6) (ground wire)
Covers	Standard - molded-in snap finger and "F" termination

Ordering Information

DESCRIPTION	MODEL #	PART #
OptiNID-1224 optioned for up to two 118 LGX® compatible adapter plates. (includes splice tray, does not include adapters plates or adapters)	OPN-1224	DM000183

LightLink™ OptiNID OPN-1224 Optical Demarcation Closure



OPN-1224 shown with customer provided cabling, adapter plates and adapters.

Ordering Information – Adapter Plates

DESCRIPTION			LGX 118 - WHITE	LGX 118 - BLACK
Blank Filler Panel			C215503	C215507
SINGLE-MODE (CERAMIC)				
SCU	6-pack	simplex	C215602	C215611
SCA	6-pack	simplex	C215638	C215644
STU	6-pack	simplex	C215962	C215971
STU	12-pack	simplex	C223564	C223571
SCU	3-pack	duplex (6 fiber)	C215512	C215521
SCU	6-pack	duplex (12 fiber)	C219604	C220853
LCU	6-pack	duplex (12 fiber)	C215989	C215993
MULTI MODE (METAL)				
SC	6-pack	simplex	C215626	C215633
ST	6-pack	simplex	C215968	C215975
ST	12-pack	simplex	C223567	C223576
SC	3-pack	duplex (6 fiber)	C215536	C215543
SC	6-pack	duplex (12 fiber)	C220435	C219598
LC	6-pack	duplex (12 fiber)	C215998	C216004
MTRJ	6-pack		C216079	C216083

Adapter color: SM = Blue MM=Beige



FPB-201 Fiber Demarcation Box

AFL has designed a cost effective solution for a protecting the passive demarcation of premise fibers. The FPB-201 is injection molded with an integral fiber retention system allowing for quick installation and a positive lock strain relief for most premise fiber cable. This device allows for the indoor and protected outdoors interconnect of up to 2 standard SC adapters in a protected white plastic enclosure to blend in most premise environments.

Features and Benefits

- Compact size takes up less wall space for installation
- Thin profile prevents accidental damage in congested installations
- Molded inner slack storage area insures minimum bend radius preventing micro bends and unnecessary loss or fiber damage
- No additional tie wraps or clamps needed due to integral positive lock strain relief
- Inner tray retains up to two fusion or mechanical splice sleeves
- Accepts standard SC connectors SCA or SCU
- Protects fiber connection from accidental contamination or movement allowing long term preservation of connection in hostile environments
- Cost effective passive solution protects each connection without driving project over budget
- Key-hole, three screw mounting allows two of three screws to be leveled and pre installed
- Two locations available for splice and connector to reside allows flexible installation and up to two splices if needed
- Removable sliding cover for easy access to complete box in congested locations

Specifications

PARAMETER	VALUE
Dimensions (mm)	7.9" x 4.5"W x 1.2"D (200 × 115 × 30)
Weight (g)	7 oz (200)
Cable count	2 max.
Cable Types	Most premise (floor) cables
Connection Type	Fusion splice, mechanical splice or SC connector

Ordering Information

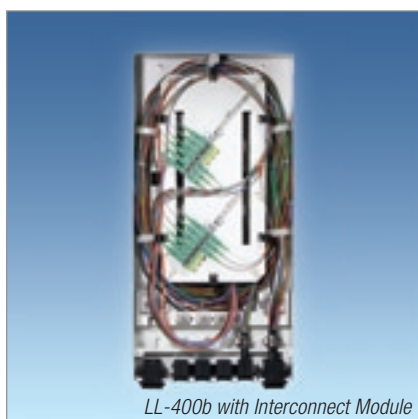
DESCRIPTION	MODEL #	PART #
Injection molded fiber demarcation box for up to 2 fibers.	FPB-201	DM000108



LightLink™ LL-400 Optical Splicing and Distribution Enclosures

The LL-400 Series family of Fiber Optic Splicing and Distribution Enclosures provides for organizing, splicing, and interconnecting fibers in broadband, distribution, and building entrance applications. Each LL-400b enclosure features a scratch resistant powder coated aluminum base and a fully gasketed cover. A unique self-sizing grommet design allows for express and preterminated cable installation. The LL-400b is a butt-style enclosure equipped with 6 independent cable entry/exit grommets, used for outdoor pedestal or indoor building entrance and riser splicing applications. The unit supports a maximum storage and splicing capacity of up to 240 single or 288 mass-fused fibers.

When installed into an LL-400b, the Interconnect Module supports the interconnection of up to 24 SC optical bulkheads. It is used in outdoor pedestals or building mounted LL-400b enclosures where interconnection is required.



LL-400b with Interconnect Module

Features

- Independent cable strain relief system
- Cable entry/exit grommet seals
- Fiber routing system
- Splice tray support system
- Supports optional interconnect modules
- 240 single fusion splices
- 288 mass fusion splices

Specifications

PARAMETER	VALUE
Material	Chassis – aluminum
Coatings	Electrostatically applied, powder coat
Color	Antique white
Dimensions (H x W x D) in. (cm)	22.75 x 11.00 x 4.0 (57.79 x 27.94 x 10.16)
Weight lbs. (kg)	6.5 (2.95)

Ordering Information

DESCRIPTION	PART #
LL-400b	91894-04
LL-400b In 1212 Pedestal	FM-000636

Accessories

DESCRIPTION	PART #
LL-410 Interconnect Module, Enclosure with 4 SC Blank Adapter Panels	911410-00-01
LL-400b Pedestal Spacer Mount Kit	911740-00-00
LL-2448 Universal Splice Tray	911289-00-02
LL-2400 Single Fusion Splice Tray	91710-06



Features

- NEMA 3 rated enclosure
- Independent cable strain relief system
- Cable entry/exit grommet seals
- Fiber routing system
- Splice tray support system
- Hinged cover
- Supports optional Interconnect Modules
- Interconnect Module supports up to 12 SC bulkhead adapters
- Accommodates "Field Couplers" with optional Splitter housing Attachment (P/N 91944-00)
- Secured with a standard padlock
- 4 cable ports with standard grommets
- 8 cable ports with optional expansion kits

LightLink™ LL-500 Optical Splicing and Distribution Enclosure

The LL-500 Series Optic Splicing and Distribution Enclosure provides for organizing, splicing, and interconnecting fibers in broadband, distribution, and building entrance applications. The enclosure features a scratch and corrosion resistant powder paint coating base and a fully gasketed hinged cover. A unique self-sizing grommet design allows for express and pre-terminated cable installation. The LL-500 supports up to five LL-2450 splice trays or three LL-4850, LL-2400 or LL-2448 splice trays (not included in base unit) and an optional 12 fiber, hinged Interconnect Module.

Specifications

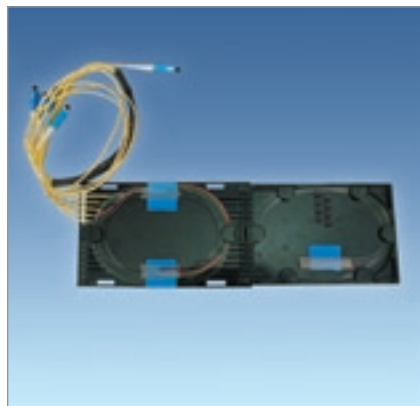
PARAMETER	VALUE
Material	Steel
Coatings	Electrostatically applied, powder coat
Color	Antique white
Dimensions (H x W x D) in. (cm)	17.5 x 9.0 x 4.0 (44.45 x 22.86 x 10.16)
Weight lbs. (kg)	6.5 (2.95)

Ordering Information

DESCRIPTION	PART #
LL-500-U-0	FM000326
LL-500 Interconnect Kit with SC UPC adapters	FM000385
LL-500 Interconnect Kit with SC APC adapters	FM000407
LL-500 Interconnect Kit without adapters	FM000408

Accessories

DESCRIPTION	PART #
LL-2450 Single Fusion Splice Tray (stores 12 single fusion splices)	91957-00
LL-4850 Mass Fusion Splice Tray (stores 8 mass fusion sleeves - 96 fibers)	91958-00
Dual Grommet Cable Expansion Kit (2 Grommets)	911386-00-01



LL-2450 splice tray with optional Splitter Housing



LL-500 with LL-2450 installed

LightLink™ Customer Premise System CPS012 Fiber Termination Patch Panel



The CPS012 provides a compact and versatile method of splicing and connectivity of up to 12 fibers. The panel comes with a master plate to accommodate two LGX® compatible adapter plates or modules. Standard panels are available in loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice trays. Loaded panels include adapter plates, adapters, splice trays and pigtails. A complete line of accessories is available to enhance the performance of the CPS012.

Features

- Fits comfortably into new and existing interconnect, cross-connect and co-location environments
- Various connector styles and types available
- LGX compatible master plate
- Modular design
- Provides maximum protection of optical components
- Dual doors with separate locking options for flexibility and security

Specifications

- UL Listed #8K26 RUS Approved
- Solid Steel Construction
- Central Office White or Black Powder Coat
- Rack mountable with optional rack mount kit
- Top or bottom cable entry

Applications

- Co-Location/Customer Premise
- Remote Terminals
- Hubs/OTN sites
- Telecommunication Closets

Dimensions

DEPTH INCHES	WIDTH INCHES	HEIGHT INCHES	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
3.00	14	11.25	12	7.38 lbs.	18

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ Customer Premise System CPS012 Fiber Termination Patch Panel

LGX® Compatible 12 Fiber Panel

PART NUMBER	DESCRIPTION	SPLICE TRAY
C215233	CPS012L - Empty	—
C211804	CPS012L w/12 UST Adapters (2 Six Packs)	1-12 Position
C211810	CPS012L w/12 UFC Adapters (2 Six Packs)	1-12 Position
C211813	CPS012L w/12 AFC Adapters (2 Six Packs)	1-12 Position
C211817	CPS012L w/12 USC (ZR) Adapters (2 Six Packs)	1-12 Position
C211822	CPS012L w/12 ASC Adapters (2 Six Packs)	1-12 Position
C211828	CPS012L w/12 ULC Adapters (2 Six Packs)	1-12 Position
C219449	CPS012P - Empty	—
C223387	CPS012P w/12 USF (dup) Adapters (2 Six Packs)	1-12 Position
C219382	CPS012P w/12 USC (ZR) Adapters (2 Six Packs)	1-12 Position
C223384	CPS012P w/12 PSC Adapters (2 Six Packs)	1-12 Position
C219370	CPS012P w/12 UST Adapters (2 Six Packs)	1-12 Position
C223391	CPS012P w/12 PST Adapters (2 Six Packs)	1-12 Position
C223396	CPS012P w/12 PDL (dup) Adapters (2 Six Packs)	1-12 Position

NOTE: Adapters are equipped with ceramic sleeves.

Accessories

PART NUMBER	DESCRIPTION
C211885	Splice Tray for 12 fiber
C211889	Grounding / Clamp Kit
C211903	Cabinet Lock
C211918	Replacement Standard Key for CPS Cabinet Lock
C211930	Replacement Key Lock with Different Key for CPS Cabinet

Colors

CPS012L – C.O. White

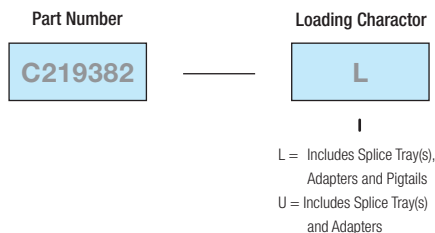
CPS012P – Black

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel and the loading character desired.



Example: Order number for a panel Black in color, loaded with 12 USC adapters (2 six packs), splice tray(s), pigtails and hardware.

LightLink™ Customer Premise System CPS024 Fiber Termination Patch Panel



The CPS024 provides a compact and versatile method of splicing and connecting up to 24 fibers. The panel comes with a master plate to accommodate four LGX® compatible adapter plates or modules. Standard panels are available in loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice trays. Loaded panels include adapter plates, adapters, splice trays and pigtails. A complete line of accessories is available to enhance the CPS024.

Features

- Fits comfortably into new and existing interconnect, cross-connect and co-location environments
- Various connector styles and types available
- LGX compatible master plate
- Modular design
- Provides maximum protection of optical components
- Dual doors with separate locking options for flexibility and security

Specifications

- UL Listed #8K26 RUS Approved
- Solid Steel Construction
- Central Office White or Black Powder Coat
- Rack mountable with optional rack mount kit
- Top or bottom cable entry

Applications

- Co-Location/Customer Premise
- Remote Terminals
- Hubs/OTN sites
- Telecommunication Closets

Dimensions

DEPTH INCHES	WIDTH INCHES	HEIGHT INCHES	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
3.00	17.5	15.5	24	10.45	18

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ Customer Premise System CPS024 Fiber Termination Patch Panel

LGX® Compatible 24 Fiber Panel

PART NUMBER	DESCRIPTION	SPLICE TRAY
C214459	CPS024L - Empty	—
C211831	CPS024L w/24 UST Adapters (4 Six Packs)	2-12 Position
C211835	CPS024L w/24 UFC Adapters (4 Six Packs)	2-12 Position
C211840	CPS024L w/24 AFC Adapters (4 Six Packs)	2-12 Position
C211846	CPS024L w/24 USC (ZR) Adapters (4 Six Packs)	2-12 Position
C211849	CPS024L w/24 ASC Adapters (4 Six Packs)	2-12 Position
C211853	CPS024L w/24 ULC Adapters (4 Six Packs)	2-12 Position
C219454	CPS024P - Empty	—
C223405	CPS024P w/24 USF (dup) Adapters (4 Six Packs)	2-12 Position
C219409	CPS024P w/24 USC (ZR) Adapters (4 Six Packs)	2-12 Position
C223402	CPS024P w/24 PSC Adapters (4 Six Packs)	2-12 Position
C219395	CPS024P w/24 UST Adapters (4 Six Packs)	2-12 Position
C223409	CPS024P w/24 PST Adapters (4 Six Packs)	2-12 Position
C223414	CPS024P w/24 PDL (dup) Adapters (4 Six Packs)	2-12 Position

NOTE: Adapters are equipped with ceramic sleeves.

Accessories

PART NUMBER	DESCRIPTION
C211885	Splice Tray for 12 fiber
C211889	Grounding / Clamp Kit
C211903	Cabinet Lock
C211918	Replacement Standard Key for CPS Cabinet Lock
C211930	Replacement Key Lock with Different Key for CPS Cabinet

Colors

CPS024L – C.O. White

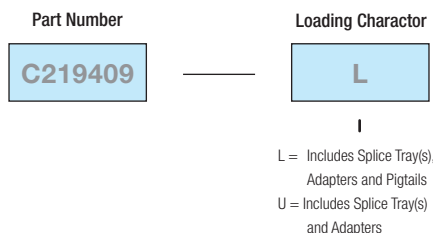
CPS024P – Black

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM

Ordering Information

Select the seven digit part number of the panel and the loading character desired.



Example: Order number for a panel Black in color, loaded with 24 USC adapters (4 six packs), splice tray(s), pigtails and hardware.

LightLink™ Customer Premise System CPS048 Fiber Termination Patch Panel



The CPS048 provides a compact and versatile method of splicing and connecting up to 48 fibers. The panel comes with a master plate to accommodate eight LGX® compatible adapter plates or modules. Standard panels are available in loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice trays. Loaded panels include adapter plates, adapters, splice trays and pigtails. A complete line of accessories is available to enhance the performance of the CPS048.

Features

- Fits comfortably into new and existing interconnect, cross-connect and co-location environments
- Various connector styles and types available
- LGX compatible master plate
- Modular design
- Provides maximum protection of optical components
- Dual doors with separate locking options for flexibility and security

Specifications

- UL Listed #8K26 RUS Approved
- Solid Steel Construction
- Central Office White or Black Powder Coat
- Rack mountable with optional rack mount kit
- Top or bottom cable entry

Applications

- Co-Location/Customer Premise
- Remote Terminals
- Hubs/OTN sites
- Telecommunication Closets

Dimensions

DEPTH INCHES	WIDTH INCHES	HEIGHT INCHES	FIBER CAPACITY	UNLOADED WEIGHT	MATERIAL GAUGE
6.00	17.5	15.5	48	16.31	18

LGX is a registered trademark of Furukawa Electric North America, Inc.

LightLink™ Customer Premise System CPS048 Fiber Termination Patch Panel

LGX® Compatible 48 Fiber Panel

PART NUMBER	DESCRIPTION	SPLICE TRAY
C214463	CPS048L - Empty	—
C211858	CPS048L w/48 UST Adapters (8 Six Packs)	2-24 Position
C211864	CPS048L w/48 UFC Adapters (8 Six Packs)	2-24 Position
C211867	CPS048L w/48 AFC Adapters (8 Six Packs)	2-24 Position
C211871	CPS048L w/48 USC (ZR) Adapters (8 Six Packs)	2-24 Position
C211876	CPS048L w/48 ASC Adapters (8 Six Packs)	2-24 Position
C211882	CPS048L w/48 ULC Adapters (8 Six Packs)	2-24 Position
C219460	CPS048P - Empty	—
C223427	CPS048P w/48 ASC Adapters (8 Six Packs)	
C219431	CPS048P w/48 USF Adapters (8 Six Packs)	2-24 Position
C219424	CPS048P w/48 USC (ZR) Adapters (8 Six Packs)	2-24 Position
C223427	CPS048P w/48 PSC Adapters (8 Six Packs)	2-24 Position
C219436	CPS048P w/48 UST Adapters (8 Six Packs)	2-24 Position
C219442	CPS048P w/48 PST Adapters (8 Six Packs)	2-24 Position
C219445	CPS048P w/48 UDL (dup) Adapters (8 Six Packs)	2-24 Position
C223432	CPS048P w/48 PDL (dup) Adapters (8 Six Packs)	2-24 Position

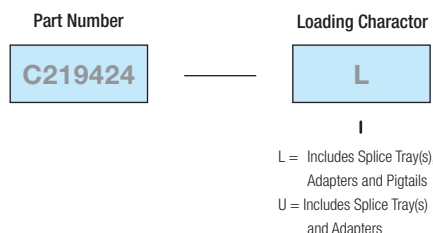
NOTE: Adapters are equipped with ceramic sleeves.

Accessories

PART NUMBER	DESCRIPTION
C211885	Splice Tray for 12 fiber
C211889	Grounding / Clamp Kit
C211903	Cabinet Lock
C211918	Replacement Standard Key for CPS Cabinet Lock
C211930	Replacement Key Lock with Different Key for CPS Cabinet

Ordering Information

Select the seven digit part number of the panel and the loading character desired.



Example: Order number for a panel Black in color, loaded with 48 USC adapters (8 six packs), splice tray(s), pigtails and hardware.

Colors

CPS048L – C.O. White

CPS048P – Black

Connector/Adapter Key

TYPE	DESCRIPTION
ASC	Angle Polish SC (ZR) sleeve-SM
ASF	Angle Polish SC Duplex (ZR) sleeve-SM
PSC	Physical Polish SC (PB) sleeve-MM
PSF	Physical Polish SC Duplex (PB) sleeve-MM
USC (PB)	Ultra Polish SC with (PB) sleeve-SM
USC (ZR)	Ultra Polish SC with (ZR) sleeve-SM
USF	Ultra Polish SC Duplex (ZR) sleeve-SM
PST	Physical Polish ST (PB) sleeve-MM
UST	Ultra Polish ST (ZR) sleeve-SM
AFC	Angle Polish FC (ZR) sleeve-SM
PFC	Physical Polish FC (PB) sleeve-MM
UFC	Ultra Polish FC (ZR) sleeve-SM
ADL	Angle Polish LC Duplex (ZR) sleeve-SM
PDL	Physical Polish LC Duplex (PB) sleeve-MM
PLC	Physical Polish LC (PB) sleeve-MM
UDL (ZR)	Ultra Polish LC Duplex (ZR) sleeve-SM
UDL (PB)	Ultra Polish LC Duplex (PB) sleeve-SM
ULC	Ultra Polish LC (ZR) sleeve-SM



LightLink™ Optical Entrance Enclosures

The Optical Entrance Enclosures (OEE) are designed to provide a convenient splicing and interconnection location for outside plant cabling entering a Central Office (CO), Controlled Environmental Vault (CEV), or customer location. Each unit is designed to allow the entrance and management of up to 60 cables for splicing and interconnecting. Cables from termination locations and the outside plant are easily installed and managed. Access to individual fiber splices and fiber bundles are made easy by splice tray and fiber management designs.

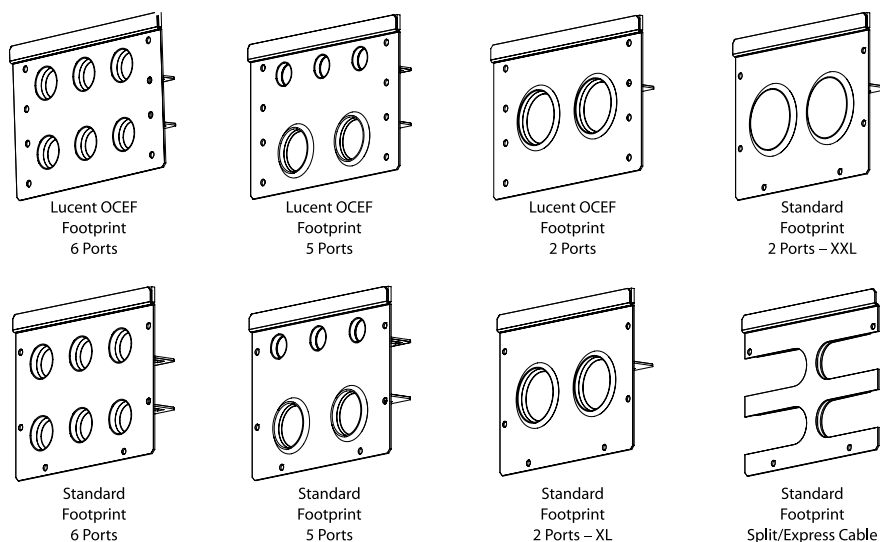
Features

- Manages multiple cable enter and exit facilities
- Each splice tray handles up to 48 single fusion or 144 mass fusion splices
- Enclosures for indoor or outdoor NEMA 3 applications
- Internal ground bar and pass through ground lugs
- Rated NEMA Type 3

Specifications

PARAMETER	VALUE
Material	Aluminum or steel
Coatings	Electrostatically applied, powder coat
Color	Granite
Dimensions	See Detail Drawings

Accessories - Shingle Kits

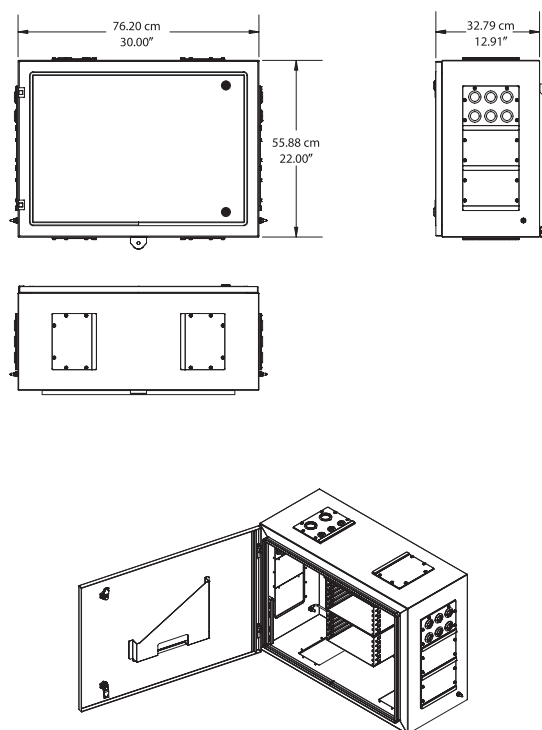


LightLink™ Optical Entrance Enclosures

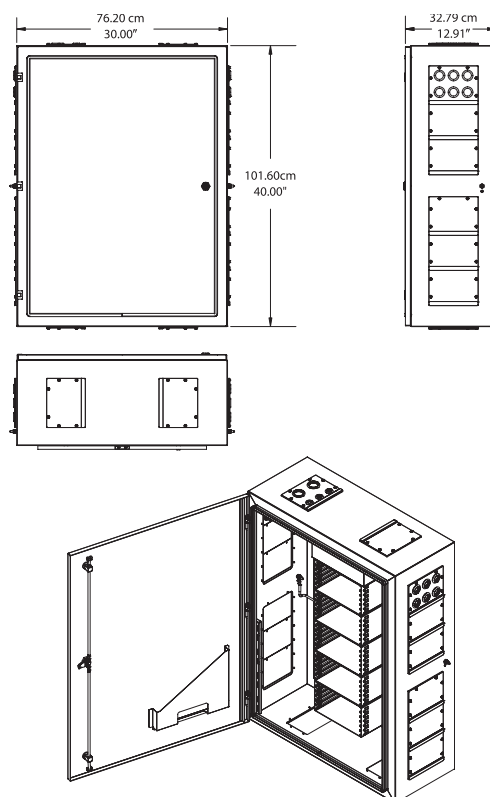
Ordering Information

DESCRIPTION	MODEL #	PART #
OPTICAL ENTRANCE ENCLOSURE 576 Single Fusion or 1728 Mass Fused Splice Capacity, up to 60 Cable Entry Ports Includes: (2) 6-Port Standard Shingles (Each port Accepts a 0.472-0.7089" Cable) (1) 5-Port Shingles (2 Port Accepts a 0.708-0.988" Cable, and 3 small Ports Accepting a Cable 0.236-0.473") (4) Medium Sealing and Retention Kits (each supporting a 0.472-0.708" Cable) (1) Large Sealing and Retention Kit (Each Supporting a 0.708-0.988" Cable) (3) Metallic Cable Bonding Kits (1) Wall-Mount Hardware (1) OEE Locking Key	OEE-288/576	911309-00-05
OPTICAL ENTRANCE ENCLOSURE 720 Single Fusion or 4320 Mass Fused Splice Capacity, up to 60 Cable Entry Ports Includes: (2) 6-Port Standard Shingles (Each port Accepts a 0.472-0.7089" Cable) (1) 5-Port Shingles (2 Port Accepts a 0.708-0.988" Cable, and 3 small Ports Accepting a Cable 0.236-0.473") (4) Medium Sealing and Retention Kits (each supporting a 0.472-0.708" Cable) (1) Large Sealing and Retention Kit (Each Supporting a 0.708-0.988" Cable) (3) Metallic Cable Bonding Kits (1) Wall-Mount Hardware (1) OEE Locking Key	OEE-720/1440	911275-00-05

OEE 288/576



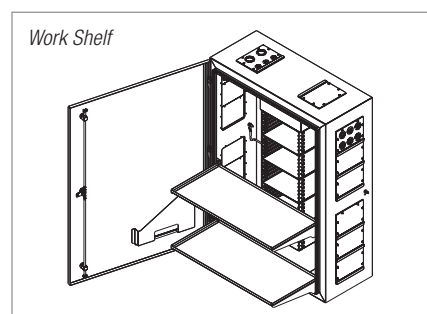
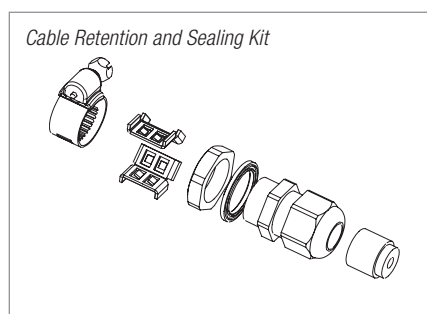
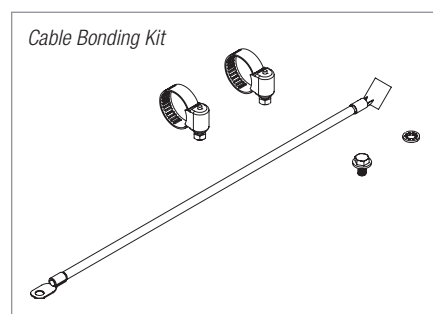
OEE 720/1440



LightLink™ Optical Entrance Enclosures

Accessories

DESCRIPTION	MODEL #	PART #
OEE Fiber Splice Tray	STF-48	911442-00-00
Metallic Cable Bonding Kit	MBK-1	911260-00-01
Work Shelf	OEE-WS	911262-00
Cable Retention and Sealing Kit – Small (Accepts 0.236-0.473" O.D. Cable)	CRSK236-473	911310-00-00
Cable Retention and Sealing Kit – Medium (Accepts 0.472-0.708" O.D. Cable, four included with OEE)	CRSK472-708	911310-01-00
Cable Retention and Sealing Kit – Large (Accepts 0.708-0.988" O.D. Cable, one included with OEE)	CRSK708-988	911310-02-00
Cable Retention and Sealing Kit – XLarge (Accepts 0.866-1.25" O.D. Cable)	CRSK866-1250	911310-03-00
Cable Retention and Sealing Kit – XXLarge (Accepts 1.25-1.49" O.D. Cable)	CRSK1250-1490	911310-04-00
Shingle Kit – Standard, 6-Ports (Accepts Six Cables From 0.472-0.708" O.D., two included with OEE)	SK-STD	911261-00-00
Shingle Kit – Standard, 5-Ports (2) Large (0.708-0.988" O.D. Cable Ports) (3) Small (0.236-0.472" O.D. Cable Ports) (One Included with OEE)	SK-LS	911261-01-00
Shingle Kit, Two X-Large, (2) Cable Ports (0.866-1.25" O.D.)	SK-XL	911261-02-00
Shingle Kit, Two XX-Large, (2) Cable Ports (1.25-1.49" O.D.)	SK-XXL	911261-03-00
Shingle Kit – Standard, Split/Express Cables, supports up to two Express Cables	SK-EX	912060-00-00
Shingle Kit – Lucent OCEF Footprint, 6-Ports (0.472-0.708" O.D.)	SK-STD-L	912366-00-00
Shingle Kit – Lucent OCEF Footprint, 2-Ports (0.866-1.25" O.D.)	SK-XL-L	912366-02-00





Fiber Storage Unit

Fiber Storage Units are used to conveniently and safely store an extra length of cable along the support strand for later use. Furnished as pairs (kit contains two fiber storage units and two sets of hanger brackets), these FSU's feature all aluminum, baked acrylic enamel finish or dielectric polypropylene with UV inhibitor. All basic hardware for attachment to the support strand is provided. Strand mount support brackets meet Telcordia® specification and are REA accepted. Galvanized strand clamping devices accommodate 1/4" to 7/16" strand and meet ASTM specifications A153 and B695.

Features

- Small profile and a side facing channel to minimize ice load
- All aluminum construction with welded cross members
- Baked acrylic enamel finish/chromate pre-finish per MIL-C-5541-B
- Contains 2% carbon black as a UV inhibitor (dielectric version)
- Basic hardware (bolts, nuts and washers) and strand mount support brackets included
- Tie-wrap slots for securing cable from sliding
- Strand mount support brackets meet Telcordia specification and are REA accepted
- Galvanized strand clamping devices accommodate 1/4" to 7/16" strand

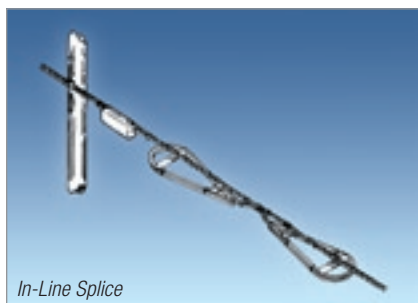
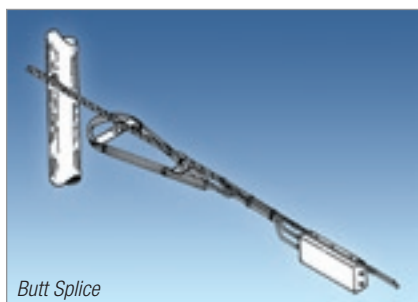
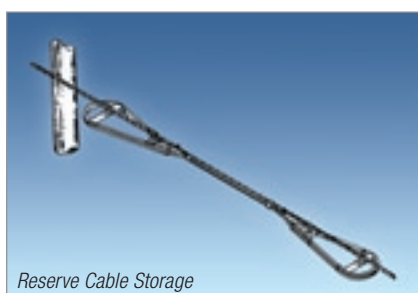
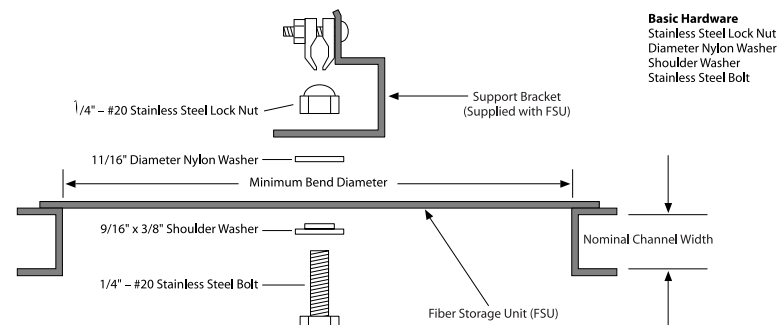
Specifications

PARAMETER	FSU-10	FSU-12	FSU-16	FSU-18	FSU-20	FOSP-17-TMK (DIELECTRIC)
Nom. Channel Width in. (cm)	0.63 (1.60)	1.12 (2.84)	0.92 (2.34)	1.75 (4.45)	2.00 (5.08)	0.95 (2.41)
Min. Bend Diameter in. (cm)	10 (25.4)	12 (30.48)	16 (40.64)	18 (45.72)	20 (50.80)	17.5 (44.45)

Ordering Information

DESCRIPTION	FSU-10	FSU-12	FSU-16	FSU-18	FSU-20	FOSP-17-TMK (DIELECTRIC)
FSU Kit Contains 1 pair FSU and 4 Mount Brackets	911107-00	911108-00	911109-00	911110-00	911944-00-00	FA000002
Replacement Mounting Bracket (2 Required Per FSU)	911115-00					
Tie Wraps (Quantity of 10)	911117-00					

Hardware Diagram





Sealed Fiber Optic Splice Closures

The AFL Telecommunications' family of Sealed Fiber Optic Splice Closures is designed to simplify splice management. Quality engineering reduces the installation time, training and complexity associated with fiber splicing in the field. No heat, adhesives, drills or powered equipment for installation or re-entry are required. These durable, easy to install closures will increase productivity, reduce labor expenses and last the life of your plant.

Features

- Supports loose tube, core tube, dielectric and armored cable designs
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install cables
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

MODEL	LG-50-U-0	LG-100-U-0	LG-200-U-0	LG-300-U-0	LG-300XL-U-0
Splice Capacity (Max.) - Single, Mass, Mechanical	24, na, na	36, 144, na	96, 144, 36	384, 1152, 108	864, 2592, na
Number of Splice Trays (Max.) - Single, Mass, Mechanical	1, na, na	3, 3, na	4, 3, 3	12, 8, 8	9, 9, na
Cable Entrance Configuration	In-line / Butt	Butt	Butt	Butt	Butt
Cable Ports	2	5	5	5 (7 using dual port washers)	5 (10 using dual port washers)
Cable Sizes (Max. O.D.)	2 @ 0.70" (splice) 2 @ 1.00" (ground / bond)	5 @ 0.70"	5 @ 0.70"	3 @ 0.80" 2 @ 1.00"	10 Cables @ 0.25 –1.35"
Testing ¹					
- Cable Retention (100 lbs)	Passed	Passed	Passed	Passed	Passed
- Water Resistance (Waterhead)	10*2	20*	20*	20*	20*
- Impact Resistance (0-40 °C)	Passed	Passed	Passed	Passed	Passed
- Chemical Resistance	Passed	Passed	Passed	Passed	Passed
- Cable Flexing	Passed	Passed	Passed	Passed	Passed
Dimensions - (L x D) in. (cm)	14.00 x 4.00 (35.60 x 10.16)	18.25 x 8.75 (46.36 x 22.23)	19.00 x 8.75 (48.26 x 22.23)	28.00 x 10.00 (71.12 x 25.40)	31.00 x 12.00 (78.74 x 30.48)
Weight - lbs. (kg)	3.0 (1.36)	10.5 (4.76)	11.5 (5.23)	14 (6.35)	25 (11.34)

Note 1: Not all Telcordia™ GR-771 tests are listed due to space constraints. All closures are designed and tested to all appropriate Telcordia™ tests

Note 2: Designed to Telcordia™ flood resistant specifications



LG-50 Sealed Fiber Optic Splice Closure

The LG-50 is a versatile closure that was designed for splicing low fiber counts, sheath repair or to provide an isolation gap on armored cables. The LG-50 can be used in either an in-line or butt configuration and is rated for 10 ft. waterhead.

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass, Mechanical	24, na, na
Number of Splice Trays (Max.) - Single, Mass, Mechanical	1, na, na
Cable Entrance Configuration	In-line / Butt
Cable Ports	2 (3 using dual cable entry port kits)
Cable Sizes (Max. O.D.)	2 – 0.70" (in-line splice), 2 – 1.00" (in-line ground / bond) 2 – 0.45" (butt splice)
Dimensions - (L x D) in. (cm)	14 x 4 (34.30 x 10.16)
Weight - lbs. (kg)	3.0 (1.36)

Features

- Two cable ports accommodate cables to 0.70" O.D. for splicing and 1.0" O.D. for grounding/bonding
- Individual cable retention clamps
- Removable, integral central splicing module
- Common or isolated grounding/bonding
- Strand mounting hardware included

Ordering Information

DESCRIPTION	MODEL #	PART #
Inline and Butt Style Closure, 24 fusion splice capable, 2 cable kits for sealing retention, 1 Dual Cable Entry Port Kit, grounding terminal. Includes 2 cable grounding kits (splice tray not included).	LG-50-U-0	FC000034
LG-50 Splice Tray, Stores 24 single fusion splices - Includes; base, cover, (3) eight-position splice holders & tie-wraps (maximum of 1 tray in LG-50)	LL-2425	FC000053
Dual Cable Entry Port Kit for the LG-50 allows two cables to enter closure from each cable port.	Dual Cable Entry Port Kit	FC000062
Cable Grounding Kit - Includes; Harness and Hose clamp (one kit required per cable entry)	CGH-1	FC000003
Cable Grounding Harness - Includes; (4) Harness, 8" long, constructed of #6 AWG	CGH-4	FC000024



LG-100 Sealed Fiber Optic Splice Closure

The LG-100 is a sealed dome closure designed for small count fiber splicing (≤ 36 single or 144 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required. Ideal for express or ring applications. The LG-100 requires no tools for re-entry.

Features

- Supports loose tube, core tube, dielectric and armored cable designs
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install five cables
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass, Mechanical	36, 144, na
Number of Splice Trays (Max.) - Single, Mass, Mechanical	3, 3, na
Cable Entrance Configuration	Butt
Cable Ports	5
Cable Sizes (Max. O.D. – Min. O.D.)	5 – (0.70" – 0.30")
Dimensions - (L x D) in. (cm)	18.25 x 8.75 (46.36 x 22.23)
Weight - lbs. (kg)	10.5 (4.76)

Ordering Information

DESCRIPTION	MODEL #	PART #
Dome Closure, 36 Single or 144 mass fusion capable, 5 cable kits for sealing and retention, Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	LG-100-U-0	FC000001
Splice Tray, Stores 12 single fusion splices, base, cover, (2) six position splice holders, tie-wraps (maximum of 3 trays in LG-100)	LL-2450	91957-00
Splice Tray, Stores 8 mass fusion sleeves, base, cover, (2) four position ribbon sleeve holders, tie-wraps (maximum of 3 trays in LG-100)	LL4850	91958-00
Cable Expansion Kit for LG 100/200, includes cable sealing, retention & bonding components for adding 1 cable	MP-CEK	911201-02
Cable Grounding Kit - Harness, Hose clamp - One Kit per cable entry - For LG-100/200/300	CGH-1	FC000003
5 Cable Grounding Kits - Harness, Hose clamp - For LG-100/200/300	CGH-5	FC000040
O Ring replacement kit for the LG-100 or LG-200	O Ring Replacement	FC000004
Universal Aerial Offset Strand Hanger Kit - For LG-100/200/300	Universal Hanger	FC000006
1X6 Cable Splitter Kit	Splitter	FC000070
LG-100/200/300 Pole or Wall Mount Bracket	PWK	911969-00-00
Port Plug Removal Tool LG-100/200	PRT-1	FC000005



LG-200 Sealed Fiber Optic Splice Closure

The LG-200 is a sealed dome closure designed for medium count fiber splicing (< 96 single or 144 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required. Ideal for express or ring applications. The LG-200 requires no tools for re-entry.

Features

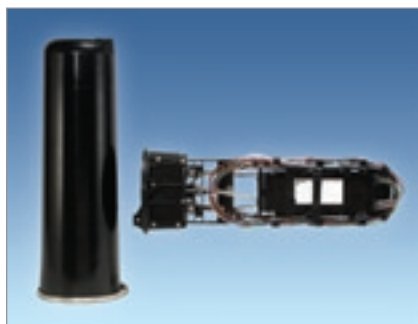
- Supports loose tube, core tube, dielectric and armored cable designs
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install five cables
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass, Mechanical	96, 144, 36
Number of Splice Trays (Max.) - Single, Mass, Mechanical	4, 3, 3
Cable Entrance Configuration	Butt
Cable Ports	5
Cable Sizes (Max. O.D. – Min. O.D.)	5 – (0.70" – 0.30")
Dimensions - (L x D) in. (cm)	19 x 8.75 (48.26 x 22.23)
Weight - lbs. (kg)	11.5 (5.23)

Ordering Information

DESCRIPTION	MODEL #	PART #
Dome Closure - 96 Single or 144 mass fusion capable, 5 cable kits for sealing and retention, Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	LG-200-U-0	FC000002
Mechanical Splice Tray - Stores 12 Mechanical splices (maximum of 3 trays in LG-200)	LL-1200	91712-05
Single Fusion Splice Tray -Stores 24 Single fused fibers (maximum of 4 trays in LG-200)	LL-2400	91710-06
Universal Splice Tray - Stores 24 Single fusion or 4 Mass fusion sleeves/48 fibers (maximum of 3 trays in LG-200)	LL-2448	911289-00-02
Mass Fusion Splice Tray -Stores 4 Mass fusion sleeves/48 fibers (maximum of 3 trays in LG-200)	LL-4800	91711-07
Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves (maximum of 1 tray in LG-200)	LL-4848	911437-00-02
Cable Expansion Kit for LG 100/200, includes cable sealing, retention & bonding components for adding 1 cable	MP-CEK	911201-02
Cable Grounding Kit - Harness, Hose clamp - One Kit per cable entry - For LG-100/200/300	CGH-1	FC000003
Cable Grounding Kits (Qty. 5) - For LG-100/200/300	CGH-5	FC000040
O Ring replacement kit for the LG-100 or LG-200	O Ring LG-100/200	FC000004
Universal Aerial Offset Strand Hanger Kit - For LG-100/200/300	Universal Hanger	FC000006
1X6 Cable Splitter Kit	Splitter	FC000070
LG-100,200, & 300 Pole or Wall Mount Bracket	Pole/Wall Mount Bracket	911969-00-00
LG-200 Slack Basket for storing excess ribbon slack	LG-200-SL-BSKT	911575-00-00
Port Plug Removal Tool LG-100/200	PRT-1	FC000005



LG-300 Sealed Fiber Optic Splice Closure

The LG-300 is a sealed dome closure designed for large count fiber splicing (≤ 384 single or 1152 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required. Ideal for express, ring or long haul applications. The LG-300 requires no tools for re-entry.

Features

- Supports loose tube, core tube, dielectric and armored cable designs
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices ensuring longevity
- Fully kitted with all parts to install five cables (up to 7 cables using dual port washers)
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass, Mechanical	384, 1152, 108
Number of Splice Trays (Max.) - Single, Mass, Mechanical	12, 8, 8
Cable Entrance Configuration	Butt
Cable Ports / Cable Sizes (Max. O.D. – Min. O.D.)	5 Ports / 7 Dual Cable 2 Express (1.00" – 0.40") 3 Drop (0.80" – 0.30")
Dimensions - (L x D) in. (cm) / Weight - lbs. (kg)	28.0" x 10.0" (71.12 x 25.40) / 14 lbs. (56.35 kg)

Ordering Information

DESCRIPTION	MODEL #	PART #
Dome Closure, 384 Single or 1152 Mass fusion capable, 5 cable kits for sealing and retention (single and dual configurations for Express ports), Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	LG-300-U-0	FC000009
Mechanical Splice Tray - Stores 12 Mechanical splices (maximum of 8 trays in LG-300)	LL-1200	91712-05
Single Fusion Splice Tray - Stores 24 Single fused fibers (maximum of 12 trays in LG-300)	LL-2400	91710-06
Universal Splice Trays - Stores 24 Single Fusion or 4 Mass fusion sleeves/48 fibers (maximum of 8 trays in LG-300)	LL-2448	911289-00-02
Mass Fusion Splice Tray - Stores 4 Mass fusion sleeves/48 fibers (maximum of 8 trays in LG-300)	LL-4800	91711-07
Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves /144 fibers (maximum of 6 trays in LG-300)	LL-4848	911437-00-02
Universal High Density Splice Tray - Stores 96 Single fusion splices 24 Mass fusion sleeves/288 fibers (maximum of 4 trays with Single fusion or maximum of 5 trays with Mass fusion in LG-300)	LL-4896	911676-00-02
Cable Expansion Kit for LG 300, includes cable sealing, retention & bonding components for adding 1 cable	MP-CEK-MAX	911456-00-00
Dual Cable Entry Port Kit for the LG-300 (Express cable ports only)	Dual Cable Entry Port Kit	FC000106
Cable Grounding Kit - For LG-100/200/300	CGH-1	FC000003
5 Cable Grounding Kits - For LG-100/200/300	CGH-5	FC000040
LG-300 Cable Clamp Removal Tool-Kit	Plug Removal Tool 300	FC000012
O-Ring Replacement Kit for the LG-300	O-Ring LG-300	FC000015
Universal Aerial Offset Strand Hangar kit for LG-100,200, and 300	Universal Hanger	FC000006
1X6 Cable Splitter Kit	Splitter	FC000070
LG-100,200, & 300 Pole or Wall Mount Bracket	Pole/Wall Mount Brkt	911969-00-00



LG-300XL Sealed Fiber Optic Splice Closure

The LG-300XL is a sealed dome closure designed for large count fiber splicing (< 864 single or 2592 mass) in a butt configuration. Utilized in aerial or underground environments where a sealed closure is required. The LG-300 requires no tools for re-entry.

Specifications

PARAMETER	VALUE	
Splice Capacity (Max.) - Single, Mass, Mechanical	864, 2592, NA	
Number of Splice Trays (Max.) - Single, Mass, Mechanical	9, 9, NA	
Cable Entrance Configuration	Butt	
Cable Ports / Cable Sizes (Max. O.D.)	5 ports / 10 Dual Cable	
	Express Port	Drop Port
	Single 1.35" – 0.55" Double 0.55" – 0.25"	Single 1.25" – 0.76" Double 0.45" – 0.25"

Features

- Can accommodate up to 10 cables
- Supports loose tube, dielectric/armored cable and central core cable designs
- Flanged O-ring and T-bolt V-band for increased protection at 20' waterhead
- Oversized basket allows multiple configurations of slack storage
- Holds Pirelli™ 1152 fiber count cable at a diameter of 1.35"

Ordering Information

DESCRIPTION	MODEL #	PART #
Dome Closure, 864 single or 1296 mass fusion capable, 5 cable kits for sealing and retention (single and dual cable configurations), Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	LG-300XL-U-0	FC000010
Single Fusion Splice Tray - Stores 24 single fused fibers (maximum of 16 trays in LG-300XL)	LL-2400	91710-06
Universal Splice Trays - Stores 24 single fusion or 4 Mass fusion sleeves/48 Fibers (maximum of 10 trays in LG-300XL)	LL-2448	911289-00-02
Mass Fusion Splice Tray - Stores 4 Mass fusion sleeves/48 fibers (maximum of 10 trays in LG-300XL)	LL-4800	91711-07
Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves/144 fibers (maximum of 10 trays in LG-300XL)	LL-4848	911437-00-02
Universal High Density Splice Tray - Stores 96 Single fusion splices or 24 Mass fusion sleeves/288 Fibers (maximum of 9 trays in LG-300XL)	LL-4896	911676-00-02
Cable Grounding Kit - Includes; Harness and Hose clamp (One kit per cable entry required for LG-300XL)	Single Cable Bonding Kit - 300XL	FC000011
Cable Grounding Kit - Includes; Harness and Hose clamp (kit of 5 for LG-300XL)	Cable Bonding Kit - 300XL	FC000041
Dual Cable Entry Port Kit for the LG-300XL (for Express cable ports only)	Dual Cable Entry Port Kit - Express	FC000014
Dual Cable Entry Port Kit for the LG-300XL (for Drop cable ports only)	Dual Cable Entry Port Kit - Drop	912255-00-00
LG-300XL Cable Clamp Removal Tool-Kit	Plug Removal Tool - 300XL	FC000037
O Ring replacement kit for the LG-300XL	O Ring - 300XL	FC000016
Universal Hangar Bracket for LG-300XL	XL Hangar Bracket	912215-00-00
1X6 Cable Splitter Kit	Splitter	FC000070



Aerial Weathertight Fiber Optic Splice Closures

The AFL Telecommunications' family of Aerial Weathertight Splice Closures is designed to provide a cost-effective solution for your aerial splicing needs. Quality engineering reduces the installation time, training and complexity associated with fiber splicing in the field. The closures have all been designed to be installed without the need for special tools, heat, adhesives, drills, or any powered equipment. Durable and easy to install, these closures will improve productivity, reduce labor expenses and last the life of the plant.

Features

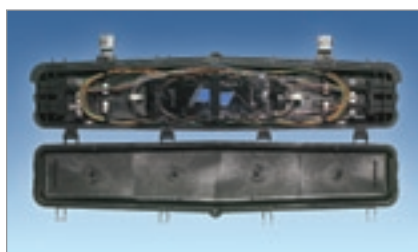
- Individual, patented, self-sizing cable grommets and strength member tie downs provide for cable additions without disturbing those previously installed
- Unique tongue-in-groove closure seal and back-to-back grommet design provides for a weathertight and insect seal
- Closures are re-enterable without the need for any re-entry kits, special tools or sealants
- Designed and tested to Telcordia™ GR-771 aerial weathertight closure requirements
- Rural Utilities Service (RUS) Listed

Specifications

PARAMETER	LG-410-U-0	LG-420-U-0	LG-500-U-0	LG-600-U-0
Splice Capacity (Max.) - Single, Mass	72, 288	12, 48	72, 288	288, 1152
Splice Tray Capacity - Single, Mass	3, 2	na, na	3, 2	12, 8
Cable Ports	4-8	4-6	4-8	6-12 (6 per end)
Cable Entrance	In-line, Butt	In-line (taut sheath)	In-line, Butt	In-line, Butt
Cable Sizes (O.D.)	4 @ 0.3-0.77" Up to 8 with Dual Grommet Kits 4 @ 0.3-0.65" 4 @ 0.3-0.5"	4 @ 0.3-0.77" Up to 6 with Dual Grommet Kits 2 @ 0.3-0.77" 2 @ 0.3-0.65" 2 @ 0.3-0.5"	4 @ 0.3-0.77" Up to 8 with Dual Grommet Kits 4 @ 0.3-0.65" 4 @ 0.3-0.5"	6 @ 0.4-1.0" Up to 12 with Dual Grommet Kits 6 @ 0.4-1.0" 6 @ 0.5"
CLOSURE TEST ^{1,2}				
Cable Retention (100 lbs.)	Passed	Passed	Passed	Passed
Impact Resistance (0-40 °C)	Passed	Passed	Passed	Passed
Chemical Resistance	Passed	Passed	Passed	Passed
Cable Flexing	Passed	Passed	Passed	Passed
Dust (Weather Tightness)	Passed	Passed	Passed	Passed
Driving Rain	Passed	Passed	Passed	Passed
Rodent Test	Passed	Passed	Passed	Passed
Dimensions (L x W x D) in. (cm)	36.00 x 8.00 x 4.00 (91.44 x 20.32 x 10.16)	36.00 x 8.00 x 4.00 (91.44 x 20.32 x 10.16)	27.00 x 8.25 x 4.00 (68.58 x 20.96 x 10.16)	27.00 x 11.25 x 7.50 (68.58 x 28.58 x 19.05)
Weight lbs. (kg)	8.5 (3.86)	8.5 (3.86)	6.4 (2.90)	18 (8.16)

Note 1: Tested to Telcordia™ GR-771-Core and Aerial Strand requirements

Note 2: Not all Telcordia™ tests are listed due to space constraints; All closures are designed and tested to appropriate aerial test requirements



LG-410 Aerial Weathertight Fiber Optic Splice Closure

The AFL LG-410 Aerial Weathertight Fiber Optic Splice Closure is designed for small to medium count fiber splicing (< 72 single or 288 mass) in aerial applications and provides additional fiber bundle storage with its extended length design.

Specifications

PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass	72, 288
Number of Splice Trays (Max.) - Single, Mass	3, 2
Cable Entrance Configuration	In-line, Butt
Cable Ports	4-8
Cable Sizes (Max. O.D. – Min. O.D.)	4 @ 0.3-0.77" Up to 8 with Dual Grommet Kits 4 @ 0.3-0.65" 4 @ 0.3-0.5"
Dimensions - (L x D) in. (cm)	36.00 x 8.00 x 4.00 (91.44 x 20.32 x 10.16)
Weight - lbs. (kg)	8.5 (3.86)

Features

- Four individual, self-sizing grommated cable ports (expandable to eight cable entrances)
- Splice trays available for single, mass or mechanical splicing
- Patented tongue-in-groove cover seal system
- Cable retention clamps provide pullout rating required by Telcordia™
- Engineered thermoplastic to meet Telcordia™ aerial and UV resistance requirements
- Rural Utilities Service (RUS) Listed

Ordering Information

DESCRIPTION	MODEL #	PART #
Aerial Weathertight Universal Fiber Optic Splice Closure, up to 72 Single fusion splices, 4 cable ports expandable to 8. Equipped w/ 4 self sealing ports, (2) grounding terminals and standard length aerial hangars. Does not include splice trays or cable grounding kits.	LG-410-U-0	FC000022
Mechanical Splice Tray - Stores 12 Mechanical splices (maximum of 2 trays in LG-410)	LL-1200	91712-05
Single Fusion Splice Tray - Stores 24 Single fused fibers (maximum of 3 trays in LG-410)	LL-2400	91710-06
Universal Splice Tray - Stores 24 Single fusion or 4 Mass fusion sleeves/48 Fibers (maximum of 2 trays in LG-410)	LL-2448	911289-00-02
Mass Fusion Splice Tray - Stores 4 Mass fusion sleeves/48 fibers (maximum of 2 trays in LG-410)	LL-4800	91711-07
Cable Grounding Harness - Includes; (4) Harness 8" #6 AWG	CGH-4	FC000024
Dual Grommet Cable Expansion Kit - Includes (2) LG-400 Dual Grommets and Cable Hardware	LG-400-DCEK	911386-00-01
Dual Grommet Replacement Kit - Includes; (10) Dual Grommets for the LG-400 Series Closures	LG-400-Dual-Kit	911495-00-00
Grommet Replacement Kit, Kit - Includes; (10) Standard (single port) Grommets for the LG-400 Series Closures	LG-400-S	911496-00-00
Closure Extension Kit - Used to join multiple closures for extended sheath openings required to repair cable sheath and damaged fibers	LG-400/LG-500	911499-00-00
Extended Aerial Hangar Kit	LG-400/LG-500	911497-00-00



LG-420 Aerial Weathertight Fiber Optic Splice Closure

The AFL LG-420 Aerial Weathertight Fiber Optic Splice Closure is designed to allow for Taut Sheath (no slack) splicing in aerial applications such as repairing cable sheath and fibers or providing mid-span access.

Specifications

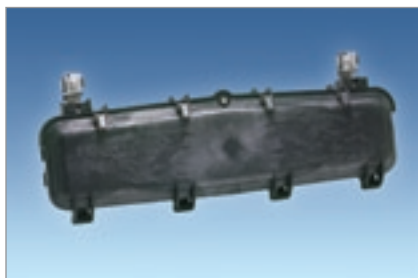
PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass	12, 48
Number of Splice Trays (Max.) - Single, Mass	na, na
Cable Entrance Configuration	In-line (taut sheath)
Cable Ports	4-8
Cable Sizes (Max. O.D. – Min. O.D.)	4 @ 0.3-0.77" Up to 6 with Dual Grommet Kits 2 @ 0.3-0.77" 2 @ 0.3-0.65" 2 @ 0.3-0.5"
Dimensions - (L x D) in. (cm)	36.00 x 8.00 x 4.00 (91.44 x 20.32 x 10.16)
Weight - lbs. (kg)	8.5 (3.86)

Features

- Four individual, self-sizing grommeted cable ports (expandable to six cable entrances)
- Taut Sheath splice module accommodates up to twelve fusion or mechanical splices and supports storage of up to twelve optical connector adapters
- Patented tongue-in-groove cover seal system
- Cable retention clamps provide pullout rating required by Telcordia™
- Engineered thermoplastic to meet Telcordia™ aerial and UV resistance requirements
- Protective channel allowing taut fibers or bundles to pass through the closure
- Rural Utilities Service (RUS) Listed

Ordering Information

DESCRIPTION	MODEL #	PART #
Aerial Weathertight Universal Taut Sheath Splice Closure - Includes; (2) 6 fiber single fusion splice organizers, (2) Blank 6 adapter bulkheads (SC style), (2) grounding terminals and 4 individual self sealing ports. Expandable to 8 cable ports. Does not include cable grounding kits.	LG-420-U-0	FC000023
Cable Grounding Harness - Includes; (4) Harness 8" #6 AWG	CGH-4	FC000024
Dual Grommet Cable Expansion Kit - Includes (2) LG-400 Dual Grommets and Cable Hardware	LG-400-DCEK	911386-00-01
Dual Grommet Replacement Kit - Includes; (10) Dual Grommets for the LG-400 Series Closures	LG-400-Dual-Kit	911495-00-00
Grommet Replacement Kit, Kit - Includes; (10) Standard (single port) Grommets for the LG-400 Series Closures	LG-400-S	911496-00-00
Closure Extension Kit - Used to join multiple closures for extended sheath openings required to repair cable sheath and damaged fibers	LG-400/LG-500	911499-00-00
Extended Aerial Hangar Kit	LG-400/LG-500	911497-00-00



LG-500 Aerial Weathertight Fiber Optic Splice Closure

The AFL LG-500 Aerial Weathertight Fiber Optic Splice Closure is designed for small to medium count fiber splicing (≤ 72 single or 288 mass) in aerial applications. Compact in design for congested aerial construction.

Specifications

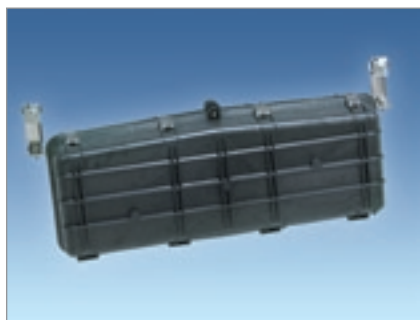
PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass	72, 288
Number of Splice Trays (Max.) - Single, Mass	3, 2
Cable Entrance Configuration	In-line, Butt
Cable Ports	4-8
Cable Sizes (Max. O.D. – Min. O.D.)	4 @ 0.3-0.77" Up to 8 with Dual Grommet Kits 4 @ 0.3-0.65" 4 @ 0.3-0.5"
Dimensions - (L x D) in. (cm)	27.00 x 8.25 x 4.00 (65.58 x 20.96 x 10.16)
Weight - lbs. (kg)	6.4 (2.90)

Features

- Four individual, self-sizing grommets cable ports
- Splice trays available for single, mass or mechanical splicing
- Patented tongue-in-groove cover seal system
- Cable retention clamps provide pullout rating required by Telcordia™
- Engineered thermoplastic to meet Telcordia™ aerial and UV resistance requirements
- Rural Utilities Service (RUS) Listed

Ordering Information

DESCRIPTION	MODEL #	PART #
Aerial Weathertight Universal Compact Splice Closure - includes; (4) cable retention kits, (2) grounding terminals, (4) self sealing ports and standard aerial hangars. Does not include splice trays or cable grounding kits.	LG-500-U-0	FC000026
Mechanical Splice Tray - Stores 12 Mechanical splices (maximum of 2 trays in LG-500)	LL-1200	91712-05
Single Fusion Splice Tray - Stores 24 single fused fibers (maximum of 3 trays in LG-500)	LL-2400	91710-06
Universal Splice Tray - Stores 24 Single Fusion or 4 Mass fusion sleeves/48 fibers (maximum of 2 trays in LG-500)	LL-2448	911289-00-02
Mass Fusion Splice Tray - Stores 4 Mass fusion sleeves/48 fibers (maximum of 2 trays in LG-500)	LL-4800	91711-07
Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves/144 fibers (maximum of 2 trays in LG-500)	LL-4848	911437-00-02
Cable Grounding Harness - Includes; (4) Harness 8" #6 AWG	CGH-4	FC000024
Grommet Replacement Kit, Kit - Includes; (10) Grommets for the LG-500 Closure	LG-500 Grommet Kit	912920
Closure Extension Kit - Used to join multiple closures for extended sheath openings required to repair cable sheath and damaged fibers	LG-400/LG-500	911499-00-00
Extended Aerial Hangar Kit	LG-400/LG-500	911497-00-00



LG-600 Aerial Weathertight Fiber Optic Splice Closure

The AFL LG-600 Aerial Weathertight Fiber Optic Splice Closure is designed for high count fiber splicing (≤ 288 single or 1152 mass) in aerial applications where a cost-effective high cable entry closure is desired.

Specifications

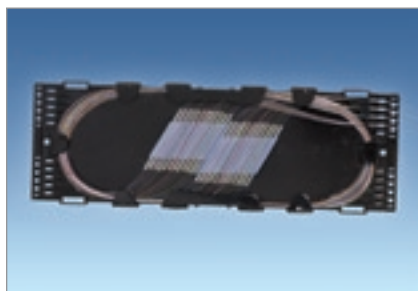
PARAMETER	VALUE
Splice Capacity (Max.) - Single, Mass	288, 1152
Number of Splice Trays (Max.) - Single, Mass	12, 8
Cable Entrance Configuration	In-line, Butt
Cable Ports	4-8
Cable Sizes (Max. O.D. – Min. O.D.)	6 @ 0.4-1.0" Up to 12 with Dual Grommet Kits 6 @ 0.4-1.0" 6 @ 0.5"
Dimensions - (L x D) in. (cm)	27.00 x 11.25 x 7.50 (68.58 x 28.58 x 19.05)
Weight - lbs. (kg)	18 (8.16)

Ordering Information

DESCRIPTION	MODEL #	PART #
Aerial Weathertight Universal High Capacity Splice Closure - Includes; (4) cable retention kits, (2) grounding terminals, (6) self sealing ports and standard length aerial hangers. Does not include splice trays or cable grounding kits.	LG-600-U-0	FC000029
Mechanical Splice Tray - Stores 12 Mechanical splices (maximum of 8 trays in LG-600)	LL-1200	91712-05
Single Fusion Splice Tray - Stores 24 Single fused fibers (maximum of 12 trays in LG-600)	LL-2400	91710-06
Universal Splice Tray - Stores 24 Single Fusion or 4 Mass fusion sleeves/48 fibers (maximum of 8 trays in LG-600)	LL-2448	911289-00-02
Mass Fusion Splice Tray - Stores 4 Mass fusion Sleeves/48 fibers) (maximum of 8 trays in LG-600)	LL-4800	91711-07
Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves /144 fibers (maximum of 6 trays in LG-300)	LL-4848	911437-00-02
Cable Grounding Harness - Includes; (4) Harness 8" #6 AWG	CGH-4	FC000024
Dual Grommet Expansion Kit - Includes; (2) Dual Grommets, (1) CSM retention clamp, cable retention clamp and cable spacer	LG-600-DCEK	911406-00-00
Extended Offset Aerial Hangar Kit	LG-600	91990-00
Grommet Replacement Kit - Includes; (10) LG-600 Grommets	LG-600-S-Kit	91918-00

Features

- Six individual, self-sizing grommeted cable ports (expandable to twelve cable entrances)
- Splice trays available for single, mass or mechanical splicing
- Patented tongue-in-groove cover seal system
- Integrated grounding clamp through aerial hangers
- Cable retention clamps provide pullout rating required by Telcordia™
- Engineered thermoplastic to meet Telcordia™ aerial and UV resistance requirements
- Rural Utilities Service (RUS) Listed



LightLink™ Fiber Optic Splice Trays

The AFL Telecommunications' series of Fiber Optic Splice Trays offers a unique and flexible splice and storage system. Available in three industry standard configurations (mechanical, fusion or ribbon) or as a totally universal kit, the AFL Telecommunications Fiber Optic Splice Trays provides the most flexible and universal fiber storage system available.

Features

- Interchangeable inserts allow for single or mass fusion or mechanical splices
- Pre-molded snaps that securely hold buffer tubes or spiral wrap while splicing
- In-line or butt splice capability
- Pre-formed radiuses maintain bend requirements
- Interlocking base and cover provides tray stability without the use of a bolt
- Extended finger guides easily store and route loose fiber or ribbon

Ordering information – Aerial Weathertight Fiber Optic Splice Closures

PART #	MODEL #	DESCRIPTION	LG-410-U	LG-420-U	LG-500-U	LG-600-U
FC000053	LL-2425	LG-50 Splice Tray - Stores 24 single fusion splices, base, cover, (3) eight position splice holders, tie-wraps	N/A	N/A	N/A	N/A
91957-00	LL-2450	Splice Tray - Stores 12 single fusion splices, base, cover, (2) six position splice holders, tie-wraps.	N/A	N/A	N/A	N/A
91958-00	LL4850	Splice Tray - Stores 8 mass fusion sleeves, base, deep cover, (2) four position ribbon sleeve holders, tie-wraps.	N/A	N/A	N/A	N/A
91712-05	LL-1200	Mechanical Splice Tray - Stores 12 mechanical splices, base, deep cover, (1) mechanical splice holder (12 splices), tie-wraps.	(2 Trays) 24 Mechanical Splices	N/A	(2 Trays) 24 Mechanical Splices	(8 Trays) 96 Fibers Mechanical Splices
91710-06	LL-2400	Single Fusion Splice Tray - Stores 24 single fused fibers, base, cover, (1) twenty-four position fusion splice holder, tie-wraps.	(3 Trays) 72 Single Fusion	N/A	(3 Trays) 72 Fibers Single Fusion	(12 Trays) 288 Fibers Single Fusion
911289-00-02	LL-2448	Universal Splice Tray - Stores 24 single fusion or 4 mass fusion sleeves (48 fibers), base, deep cover, tie-wraps).	(2 Trays) 48 Single Fusion / 96 Mass Fusion	N/A	(2 Trays) 48 Single Fusion / 96 Mass Fusion	(8 Trays) 192 Single Fusion / 384 Mass Fusion
91711-07	LL-4800	Mass Fusion Splice Tray -Stores 4 mass fusion sleeves (48 fibers), base, deep cover, (1) four position mass sleeve holder, tie-wraps.	(2 Trays) 96 Mass Fusion / 12 Fibers Single Fusion	N/A	(2 Trays) 96 Mass Fusion / 12 Fibers Single Fusion	(8 Trays) 384 Mass Fusion / 48 Fibers Single Fusion
911437-00-02	LL-4848	Mass Fusion Splice Tray - Stores 12 mass fusion sleeves (144 fibers). Base, deep cover, (1) 12 position mass sleeve holder, tie-wraps.	(2 Trays) 288 Mass Fusion	N/A	(2 Trays) 288 Mass Fusion	(8 Trays) 1152 Mass Fusion
911676-00-02	LL-4896	Universal High Density Splice Tray - Stores 96 single fusion splices or 3 sets of 4 mass fusion sleeves (144 Fibers), base, cover, (16) six position single splice holders, (3) four position mass sleeve holders, tie-wraps.	N/A	N/A	N/A	N/A

Ordering Information – Splicing Cabinets and Shelves

DESCRIPTION	MODEL #	PART #
Telescoping Splice Tray - Stores up to 48 single fusion sleeves or 12 mass fusion sleeves (144 fibers). For use in the following products; LL-300, LL-288/576, LL-720/1440, OTSS-SYS1, OSS-SYS2 and OSS-SYS1.	STF-48	911442-00-00

LightLink™ Fiber Optic Splice Trays

Ordering Information – Sealed Fiber Optic Splice Closures

PART #	MODEL #	DESCRIPTION	LG-50-U	LG-100-U	LG-200-U	LG-300-U	LG-300XL-U
FC000053	LL-2425	LG-50 Splice Tray - Stores 24 single fusion splices, base, cover, (3) eight position splice holders, tie-wraps	(1 Tray) 24 Single Fusion	N/A	N/A	N/A	N/A
91957-00	LL-2450	Splice Tray - Stores 12 single fusion splices, base, cover, (2) six position splice holders, tie-wraps.	N/A	(3 Trays) 36 Single Fusion	N/A	N/A	N/A
91958-00	LL4850	Splice Tray - Stores 8 mass fusion sleeves, base, deep cover, (2) four position ribbon sleeve holders, tie-wraps.	N/A	(3 Trays) 144 Mass Fusion	N/A	N/A	N/A
91712-05	LL-1200	Mechanical Splice Tray - Stores 12 Mechanical Splices, base, deep cover, (1) mechanical splice holder (12 splices), tie-wraps.	N/A	N/A	(3 Trays) 36 Mechanical Splices	(9 Trays) 108 Mechanical Splices	N/A
91710-06	LL-2400	Single Fusion Splice Tray - Stores 24 single fused fibers, base, cover, (1) twenty-four position fusion splice holder, tie-wraps.	N/A	N/A	(4 Trays) 96 Single Fusion	(12 Trays) 288 Single Fusion	(16 Trays) 384 Single Fusion
911289-00-02	LL-2448	Universal Splice Trays - Stores 24 Single Fusion or 4 Mass fusion sleeves (48 Fibers), base, deep cover, tie-wraps).	N/A	N/A	(3 Trays) 72 Single Fusion / 144 Mass Fusion	(8 Trays) 192 Single Fusion / 384 Mass Fusion	(10 Trays) 240 Single Fusion / 480 Mass Fusion
91711-07	LL-4800	Mass Fusion Splice Tray -Stores 4 Mass fusion Sleeves (48 fibers) , base, deep cover, (1) four position mass sleeve holder, tie-wraps.	N/A	N/A	(3 Trays) 144 Mass Fusion	(8 Trays) 384 Mass Fusion	(10 Trays) 480 Mass Fusion
911437-00-02	LL-4848	Mass Fusion Splice Tray - Stores 12 Mass Fusion Sleeves (144 fibers). Base, deep cover, (1) 12 position mass sleeve holder, tie-wraps.	N/A	N/A	(1 Tray) 144 Mass Fusion*	(8 Tray) 1152 Mass Fusion	(10 Tray) 1440 Mass Fusion
911676-00-02	LL-4896	Universal High Density Splice Tray - Stores 96 Single Fusion Splices or 6 sets of 4 Mass fusion Sleeves (288 Fibers), base, cover, (16) six position single splice holders, (3) four position mass sleeve holders, tie-wraps.	N/A	N/A	N/A	(4 Trays) 384 Single Fusion / 576 Mass Fusion** (5 Trays) 480 Single Fusion / 720 Mass Fusion***	(9 Trays) 864 Single Fusion / 2592 Mass Fusion**

NOTES: * Recommended no more than one tray in LG-200 due to unique ribbon to ribbon application.

** This tray designed for LG-300 and LG-300XL only. The LG-300 requires special tray support bracket (either 911975 Standard or 911974 High Capacity)

*** Five trays can be installed in the LG-300 but it requires a 911974 High Capacity Support Bracket to allow for stacking all trays and not interfering with the dome.

Ordering Information – Accessories

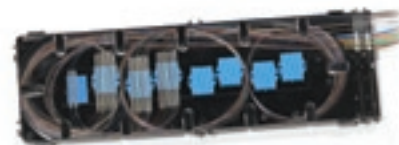
DESCRIPTION	MODEL #	PART #
40mm Fiber Protection Telcordia™ compliant. 50 pcs. per bag.	FPS-40mm	911976-00-00
60mm Fiber Protection Fusion Splice Sleeves. Telcordia™ compliant. 50 pcs. per bag.	FPS-60mm	91877-01
Core Tube Cable Fiber Router for routing fiber up to 8 directions. For all central core tube sizes.	1X8-CTR	911167-02
Loose Tube or Ribbon Router for routing fiber up to 6 directions. For all Loose Tube and up to 12 fiber Ribbon.	1X6-LRR	912085-00-00

LightLink™ Fiber Optic Splice Trays

LL-4896

Splice Tray for storage of 96 single fusion sleeves or up to 24 mass fusion sleeves (288 fibers). Includes:

- Molded base
- Clear plastic cover
- (16) 6-position single splice holders
- (6) 4-position mass fusion holders
- (32) Tie-wraps

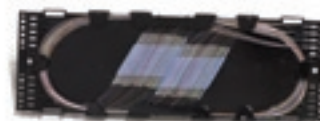


LL-2448

Splice Tray for storage of 24 single fusion sleeves or 4 mass fusion sleeves (48 fibers).

Includes:

- Molded base
- Clear plastic deep cover
- (1) Single fusion splice holder
- (1) 4-position mass fusion holder
- (10) Tie-wraps



LL-4848

Splice Tray for storage of 12 mass fusion sleeves (144 fibers). Includes:

- Molded base
- Clear plastic deep cover
- (1) 12-position mass fusion holder



LL-4800

Splice Tray for storage of 4 mass fusion sleeves (48 fibers) plus six single fusion sleeves.

Includes:

- Molded base
- Molded deep cover
- (1) Mass/single fusion splice holder
- (10) Tie-wraps



LL-1200

Splice Tray for storage of 12 mechanical splices.

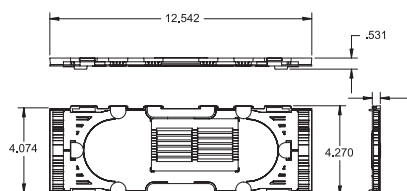
Includes:

- Molded base
- Clear plastic deep cover
- (1) Mechanical splice holder
- (10) Tie-wraps

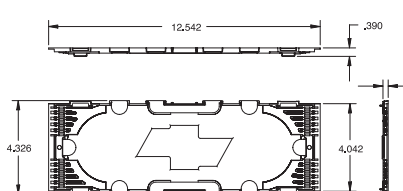


Dimensions

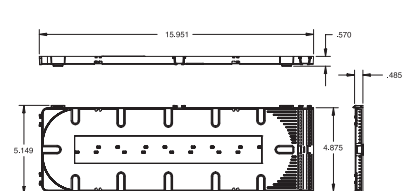
LL-1200, LL-2448, LL-4800 and LL-4848 Splice Trays



LL-2400 Splice Tray



LL-4896 Splice Tray



LightLink™ Fiber Optic Splice Trays

LL-2400

Splice Tray for storage of 24 single fusion sleeves. Includes:

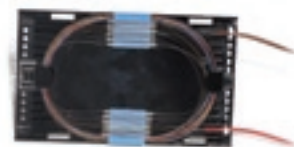
- Molded base
- (1) Single fusion splice holder
- Clear plastic cover
- (10) Tie-wraps



LL-2450

Splice Tray for use in the LG-100 Sealed Closure. Stores 12 single fusion sleeves. Includes:

- Molded base
- (2) 6-position single fusion splice holders
- Molded cover
- (10) Tie-wraps



LL-4850

Splice Tray for use in the LG-100 Sealed Closure. Stores 8 mass fusion sleeves (96 fibers). Includes:

- Molded base
- (2) 4-position mass fusion splice holders
- Molded deep cover
- (10) Tie-wraps



OEE Telescoping Splice Tray

OEE telescoping splice tray stores up to 48 single fusion sleeves or 12 mass fusion sleeves (144 fibers). Includes:

- Molded base and slide assembly
- (3) 4-position mass fusion splice holders
- (2) 24-position single fusion splice holders

Used in the following products: LL-288/576, LL-720/1440, Patch and Splice Panels



LL-2425

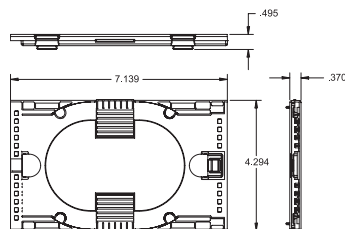
Splice Tray for use in the LG-50 Sealed Closure. Stores 24 single fusion sleeves. Includes:

- Molded base with mount bracket
- (3) 8-position mass fusion splice holders

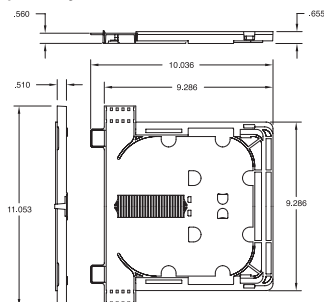


Dimensions

LL-2450, LL-4850 Splice Tray



OEE Splice Tray



LL-2425 Splice Tray

