

FIBER OPTIC PRODUCTS

CONNECTING THE POINTS FOR A COMPLETE SOLUTION

Enclosures	68-69
Adapter Panels	70
Fiber Splice Tray	70
Fiber Optic Cable Assemblies	71-72
Connectors	73
Fiber Modules	74
Accessories	75-76



Fiber Enclosures

HellermannTyton offers rugged fiber enclosures in both wall mount and rack mount versions. Available in a variety of sizes, they can accommodate splicing or direct termination of fiber optic cables.

Wall Mount Fiber Enclosures

HellermannTyton's wall mount fiber enclosures provide a termination solution for LAN applications requiring fully enclosed and lockable wall mount enclosures. They are designed to support up to either two or four modular adapter panels and can accommodate up to two splice trays (part no. FERMST). These rugged wall mount units are equipped with cable management and cable routing accessories to limit bend radius and add strain relief control.

The 12/16 port wall mount enclosure is fully enclosed and offers an optional lock for additional security.

The 24/32 port wall mounted enclosure has separate entry for the provider and user side.



FEWM12

FEWM24

Product Selection

Article No.	Part No.	Type	Description	Height	Width	Depth	Shipping Weight	Pkg. Qty.
855-04207	FEWM12	FEWM12	12/16 Wall Mount Fiber Enclosure - Unloaded, accepts 2 adapter panels, 1 splice tray	12.3"	9.4"	3.7"	8 lbs.	1
855-04208	FEWM24	FEWM24	24/32 Wall Mount Fiber Enclosure - Unloaded, accepts 4 adapter panels, up to 2 splice trays	15.5"	11.4"	3.7"	11 lbs.	1
855-04209	FEWML	FEWML	Enclosure Door Lock	-	-	-	-	1

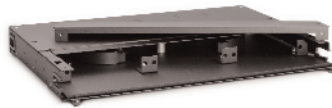
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Rack Mount Fiber Enclosures

HellermannTyton's rack mount fiber enclosures are the ideal direct termination and splice solution of LAN applications capable of supporting up to 192 fibers. While offering easy-to-use front slide-out trays for easy access to connections, enclosures are equipped with cable management and cable routing accessories to limit bend radius and add strain relief control. HellermannTyton's Rack Mount Fiber Enclosures easily fit into 19" or 23" racks.

Product Features

- Slide out tray
- Raised front edge to assist tray pull out
- Removable front and rear access lids
- Tinted plexiglass window (2U, 3U & 4U)
- Wire management rings
- Support post for splice trays
- Lanced tabs to support incoming jacketed fiber



FERM18S



FERM36S



FERM54S



FERM72S

Product Selection

Article No.	Part No.	Type	Description	Height	Width	Depth	Height in Units	Shipping Weight	Pkg. Qty.
855-49200	FERM18S	FERM18S	18/24 Unloaded - Accepts 3 adapter panels and 1 FERMST	1.75"	17"	12.14"	1U	15 lbs.	1
855-49201	FERM36S	FERM36S	36/48 Unloaded - Accepts 6 adapter panels and 2 FERMST	3.5"	17"	12.14"	2U	17 lbs.	1
855-49202	FERM54S	FERM54S	54/72 Unloaded - Accepts 9 adapter panels and 3 FERMST	5.25"	17"	12.14"	3U	19 lbs.	1
855-49203	FERM72S	FERM72S	72/96/144 Unloaded - Accepts 12 adapter panels and 4 FERMST	7"	17"	12.14"	4U	22 lbs.	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Maximum Fiber Capacity

Part No.	ST	SC	LC	MTRJ
FERM18S (1U)	24	36	48	36
FERM36S (2U)	48	72	96	72
FERM54S (3U)	72	108	144	108
FERM72S (4U)	96	144	192	144

Adapter Panels

In order to customize wall mount or rack mount fiber optic enclosures, HellermannTyton offers several panels with various adapters including LC, SC, ST and MTRJ. All modular adapter panels are assembled with industry standard adapters. The multimode/single mode adapters utilize high performance zirconia ceramic and phosphorous-bronze split sleeve inserts for minimal insertion loss contribution. A blank metal adapter panel is also available. The adapter panels are easily snapped into the enclosures with snap lock mounting fixtures.

Product Selection

Article No.	Part No.	Type	Description	Height	Width	Pkg. Qty.
855-04212	FAP6DMMLC	FAP6DMMLC	Panel with 6 Duplex LC MM/SM Adapters	5.09"	1.125"	1
855-24200	FAP8DMMLC	FAP8DMMLC	Panel with 8 Duplex LC MM/SM Adapters	5.09"	1.125"	1
855-04211	FAP3DMMSC	FAP3DMMSC	Panel with 3 Duplex SC MM/SM Adapters	5.09"	1.125"	1
855-04213	FAP6DMMSC	FAP6DMMSC	Panel with 6 Duplex SC MM/SM Adapters	5.09"	1.125"	1
855-04216	FAP6SMMSC	FAP6SMMSC	Panel with 6 Simplex SC MM/SM Adapters	5.09"	1.125"	1
855-04217	FAP8SMMSC	FAP8SMMSC	Panel with 8 Simplex SC MM/SM Adapters	5.09"	1.125"	1
855-04214	FAP6MMST	FAP6MMST	Panel with 6 ST MM/SM Adapters	5.09"	1.125"	1
855-04218	FAP8SMMST	FAP8SMMST	Panel with 8 Simplex ST MM/SM Adapters	5.09"	1.125"	1
855-04215	FAP6MTRJ	FAP6MTRJ	Panel with 6 MTRJ Adapters	5.09"	1.125"	1
855-04219	FAPB	FAPB	Blank Panel	5.09"	1.125"	1

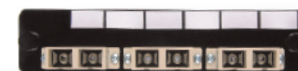
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.



FAP6DMMLC



FAP8DMMLC



FAP3DMMSC



FAP6DMMSC



FAP6SMMSC



FAP8SMMSC



FAP6MMST



FAP8SMMST



FAP6MTRJ



FAPB

Fiber Splice Tray

To provide organization and protection of 12 or 24 fusion splices in the rack mount enclosures, HellermannTyton offers 2 splice trays. These trays are designed with smooth radiused sides to prevent damage to fibers when routing. The fibers are easy to mount and secure with the cable tie mounting holes and are protected with a removable cover.



Product Selection

Article No.	Part No.	Type	Description	Height (H)	Width (W)	Depth (D)	Pkg. Qty.
855-09200	FERMST	FERMST	12 Fiber Fusion Splice	8.75"	5"	.4"	1
855-49204	FERM24ST	FERMST	24 Fiber Fusion Splice	11.75"	4"	.33"	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Fiber Optic Cable Assemblies

For fiber patching requirements, HellermannTyton fiber optic cable assemblies are available in various lengths with industry standard LC, SC, ST or MTRJ connectors made with ceramic ferrules. By using superior components and a proprietary polishing process, HellermannTyton manufactures patch cords to meet the highest performance standards. Each assembly is individually tested for insertion loss and return loss.

Duplex Multimode Fiber Assemblies

Typical insertion loss is less than .5dB per connection. All fiber assemblies are made from 62.5/125µm cable. 50/125µm cable assemblies are available by special order; place a 50 after the standard part number, example: FA1STST50

Product Selection					
Article No.	Part No.	Type	Description	Length (Meters)	Pkg. Qty.
855-34200	FA1LCLC	FALCLC	LC - LC Duplex Multimode Fiber Assembly	1	1
855-34213	FA2LCLC	FALCLC	LC - LC Duplex Multimode Fiber Assembly	2	1
855-34226	FA3LCLC	FALCLC	LC - LC Duplex Multimode Fiber Assembly	3	1
855-34201	FA1LCSC	FALCSC	LC - SC Duplex Multimode Fiber Assembly	1	1
855-34214	FA2LCSC	FALCSC	LC - SC Duplex Multimode Fiber Assembly	2	1
855-34227	FA3LCSC	FALCSC	LC - SC Duplex Multimode Fiber Assembly	3	1
855-34202	FA1LCST	FALCST	LC - ST Duplex Multimode Fiber Assembly	1	1
855-34215	FA2LCST	FALCST	LC - ST Duplex Multimode Fiber Assembly	2	1
855-34228	FA3LCST	FALCST	LC - ST Duplex Multimode Fiber Assembly	3	1
855-34206	FA1SCSC	FASCSC	SC - SC Duplex Multimode Fiber Assembly	1	1
855-34219	FA2SCSC	FASCSC	SC - SC Duplex Multimode Fiber Assembly	2	1
855-34233	FA3SCSC	FASCSC	SC - SC Duplex Multimode Fiber Assembly	3	1
855-34212	FA1STST	FASTST	ST - ST Duplex Multimode Fiber Assembly	1	1
855-34225	FA2STST	FASTST	ST - ST Duplex Multimode Fiber Assembly	2	1
855-34239	FA3STST	FASTST	ST - ST Duplex Multimode Fiber Assembly	3	1
855-34211	FA1STSC	FASTSC	ST - SC Duplex Multimode Fiber Assembly	1	1
855-34224	FA2STSC	FASTSC	ST - SC Duplex Multimode Fiber Assembly	2	1
855-34238	FA3STSC	FASTSC	ST - SC Duplex Multimode Fiber Assembly	3	1
855-34203	FA1MTMT	FAMTMT	MTRJ - MTRJ Duplex Multimode Fiber Assembly	1	1
855-34216	FA2MTMT	FAMTMT	MTRJ - MTRJ Duplex Multimode Fiber Assembly	2	1
855-34229	FA3MTMT	FAMTMT	MTRJ - MTRJ Duplex Multimode Fiber Assembly	3	1
855-34205	FA1MTST	FAMTST	MTRJ - ST Duplex Multimode Fiber Assembly	1	1
855-34218	FA2MTST	FAMTST	MTRJ - ST Duplex Multimode Fiber Assembly	2	1
855-34232	FA3MTST	FAMTST	MTRJ - ST Duplex Multimode Fiber Assembly	3	1
855-34204	FA1MTSC	FAMTSC	MTRJ - SC Duplex Multimode Fiber Assembly	1	1
855-34217	FA2MTSC	FAMTSC	MTRJ - SC Duplex Multimode Fiber Assembly	2	1
855-34230	FA3MTSC	FAMTSC	MTRJ - SC Duplex Multimode Fiber Assembly	3	1

Use **Part No.** for ordering and **Type** for specification purposes.



LC-LC



LC-SC



LC-ST



MTRJ-MTRJ



MTRJ-ST



ST-ST



ST-SC



SC-SC



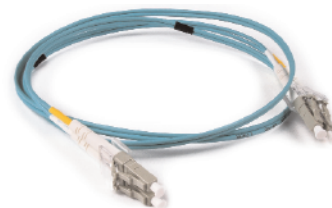
MTRJ-ST

Laser Optimized 10G Multimode Fiber Assemblies

Product Selection

Article No.	Part No.	Type	Description	Length (Meters)	Pkg. Qty.
855-44200	FA1LCLC10G	FALCLC10G	LC - LC Duplex Multimode 10G	1	1
855-44201	FA2LCLC10G	FALCLC10G	LC - LC Duplex Multimode 10G	2	1
855-44202	FA3LCLC10G	FALCLC10G	LC - LC Duplex Multimode 10G	3	1

Use **Part No.** for ordering and **Type** for specification purposes.



Duplex Multimode 10G
LC-LC

Simplex Single Mode Fiber Assemblies

Typical insertion loss is less than .25dB per connection. All fiber assemblies are made from 8.3/125µm cable.

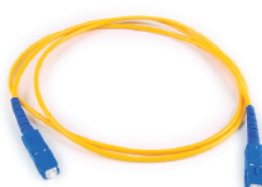
Product Selection

Article No.	Part No.	Type	Description	Length (Meters)	Pkg. Qty.
855-34210	FA1SMSTST	FASMSTST	ST - ST Simplex Single Mode Fiber Assembly	1	1
855-34223	FA2SMSTST	FASMSTST	ST - ST Simplex Single Mode Fiber Assembly	2	1
855-34237	FA3SMSTST	FASMSTST	ST - ST Simplex Single Mode Fiber Assembly	3	1
855-34209	FA1SMSCSC	FASMSCSC	SC - SC Simplex Single Mode Fiber Assembly	1	1
855-34222	FA2SMSCSC	FASMSCSC	SC - SC Simplex Single Mode Fiber Assembly	2	1
855-34236	FA3SMSCSC	FASMSCSC	SC - SC Simplex Single Mode Fiber Assembly	3	1
855-34207	FA1SMFCFC	FASMFCFC	FC - FC Simplex Single Mode Fiber Assembly	1	1
855-34220	FA2SMFCFC	FASMFCFC	FC - FC Simplex Single Mode Fiber Assembly	2	1
855-34234	FA3SMFCFC	FASMFCFC	FC - FC Simplex Single Mode Fiber Assembly	3	1
855-34208	FA1SMLCLC	FASMLCLC	LC - LC Simplex Single Mode Fiber Assembly	1	1
855-34221	FA2SMLCLC	FASMLCLC	LC - LC Simplex Single Mode Fiber Assembly	2	1
855-34235	FA3SMLCLC	FASMLCLC	LC - LC Simplex Single Mode Fiber Assembly	3	1

Use **Part No.** for ordering and **Type** for specification purposes.



Single Mode
ST-ST



Single Mode
SC-SC



Single Mode
FC-FC



Single Mode
LC-LC

Connectors

HellermannTyton offers both SC and ST connectors in both multimode and single mode style and a LC multimode style connector. They are designed for both field and factory installation using either epoxy or anaerobic adhesive. The industry standard single mode and multimode connectors utilize pre-radiused zirconia ceramic ferrules which provide for consistent ferrule end face geometry.

Product Selection

Article No.	Part No.	Type	Description	Pkg. Qty.
855-14201	FCSC	FCSC	SC Multimode Fiber Connector	1
855-14202	FCSCSM	FCSCSM	SC Single Mode Fiber Connector	1
855-14203	FCST	FCST	ST Multimode Fiber Connector	1
855-14204	FCSTSM	FCSTSM	ST Single Mode Fiber Connector	1
855-14200	FCLC	FCLC	LC Multimode Fiber Connector	10

Use **Part No.** for ordering and **Type** for specification purposes.



FCSC



FCSCSM



FCST



FCSTSM



FCLC

Fiber Modules

ST, SC, LC and MTRJ multimode/single mode fiber optic adapter modules insert into HellermannTyton's standard flush wallplates. Also available is a SC Duplex adapter insert for HellermannTyton's modular faceplates, found on page 38.

Product Selection					
Article No.	Part No.	Type	Description	Pkg. Qty.	Carton Qty.
854-44227	FIBERINSERT-FW	FIBERINSERT	ST Fiber Module	1	25
854-44229	FIBERINSERT-W	FIBERINSERT	ST Fiber Module	1	25
854-44228	FIBERINSERT-I	FIBERINSERT	ST Fiber Module	1	25
854-44280	SCINSERT-FW	SCINSERT	SC Fiber Module	1	25
854-44282	SCINSERT-W	SCINSERT	SC Fiber Module	1	25
854-44281	SCINSERT-I	SCINSERT	SC Fiber Module	1	25
854-44238	LCINSERT-FW	LCINSERT	LC Duplex Fiber Module	1	25
854-44240	LCINSERT-W	LCINSERT	LC Duplex Fiber Module	1	25
854-44239	LCINSERT-I	LCINSERT	LC Duplex Fiber Module	1	25
854-44241	MTRJINSERT-FW	MTRJINSERT	MTRJ Fiber Module	1	25
854-44243	MTRJINSERT-W	MTRJINSERT	MTRJ Fiber Module	1	25
854-44242	MTRJINSERT-I	MTRJINSERT	MTRJ Fiber Module	1	25

Use **Part No.** for ordering and **Type** for specification purposes.



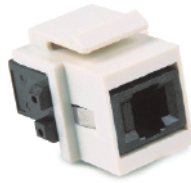
ST



SC



LC Duplex



MTRJ



Fiber Optic Modules have the same footprint as all of HellermannTyton multimedia modules. Create custom faceplates and surface mount boxes for your application.

Fiber Optic Stripper

This multi-function fiber optic stripper offers precision formed stripping areas for reliable stripping accuracy on multiple fiber cable types. Ergonomic rubber handles are angled to provide comfort over repeated use and reduce user fatigue. This tool strips the outer jacket off of: 2.0 - 2.4mm Fiber, 2.8 - 3.0mm Fiber and 2.0 - 3.0mm Loose Tube Fiber. It also strips the buffer and/or acrylate off of: 900µm Loose Buffer (Buffer only), 900/125µm Fiber (Buffer and Acrylate) and 250/125µm Fiber (Buffer and Acrylate).

Product Selection				
Article No.	Part No.	Type	Description	Pkg. Qty.
855-19208	HTFS	HTFS	Multi-function Fiber Optic Stripper	1
Use Part No. for ordering and Type for specification purposes.				



Fiberclean

HellermannTyton's Fiberclean is a fiber optic connector cleaning dispenser system, which is both economical and easy to use. This unique, handheld connector cleaner assures dirt and lint free field connections for the most optimal signal transmission. The Fiberclean system replaces the use of gasses, alcohol swabs, napkins, and wipes. Each dispenser contains 10 feet of 1-1/2" strips of "Ultra-White" non-woven, lint-free film for complete removal of dust, dirt, oil and grease from fiber and ferrule end faces. With just three "figure-eight" strokes with the connector to the material cleans the surface. Each cleaning strip can clean up to six connectors, allowing over 400 connections to be cleaned per dispenser.

Product Selection				
Article No.	Part No.	Type	Description	Pkg. Qty.
590-00171	FO1	FO	Fiberclean Fiber Optic Cleaner	1
590-00172	FO1REF	FO	Fiberclean Fiber Optic Cleaner Refill	1
Use Part No. for ordering and Type for specification purposes.				



Termination Kit for ST/SC Multimode Connectors

HellermannTyton offers a complete universal fiber optic connector installation tool kit that includes all the tools and materials needed for terminations of SC/ST-style connectors. This compact and lightweight kit includes a buffer remover tool, jacket stripper, crimp tool, scribe, microscope, scissors, anaerobic adhesive and primer, polishing pad, polishing puck, polishing papers, safety glasses, syringes, needles, wipes and bottles for alcohol and fiber debris. This kit provides enough consumables to install up to 100 connectors. Products are available separately to terminate single mode SC/ST and LC small form connectors. Replacement epoxy kit available with adhesive, primer, syringes (10), Needle tips (20).



Product Selection

Article No.	Part No.	Type	Description	Pkg. Qty.
855-19207	FCTERMKIT	FCTERMKIT	Termination Kit for ST/SC Multimode Applications	1
855-19201	FCEPOXYKIT	FCEPOXYKIT	Replacement Epoxy Kit	1
855-19203	FCPAPER5	FCPAPER5	5 Micron Polishing Paper	50
855-19202	FCPAPER1	FCPAPER1	1 Micron Polishing Paper	50
855-19204	FCPAPERSM	FCPAPERSM	.1 Micron Diamond Polishing Paper for Single Mode Applications	1
855-19206	FCPUCKSCST	FCPUCKSCST	SC/ST Polishing Puck	1
855-19205	FCPUCKLC	FCPUCKLC	LC Polishing Puck	1

Use **Part No.** for ordering and **Type** for specification purposes.

Fiber Connector Consumable Kit for ST/SC and LC Small Form Applications

This consumable replacement kit provides the materials needed for terminations of SC/ST and LC-style connectors. This kit consists of anaerobic adhesive, 25 sheets each of 5mm, 1mm and 0.3mm film, syringes, mini foam swabs, Kimwipes®, canned air and an alcohol bottle. This kit provides enough consumables to install up to 100 connectors. Kimwipes® is a registered trademark of Kimberly-Clark.



Product Selection

Article No.	Part No.	Type	Description	Pkg. Qty.
855-19200	FCCONSUMABLES	FCCONSUMABLES	Consumable kit for ST/SC and LC small form applications	1

Use **Part No.** for ordering and **Type** for specification purposes.