



CORNING

# Small Cell Product Solutions

Corning Outdoor Terminals, Housings, and Drop Assemblies

## Small Cell Product Solutions

We are proud to offer Corning's small cell product solutions in this easy-to-reference guide. Here, you can quickly locate product descriptions and part numbers for our outdoor terminals and housings (1-, 2-, and 12-fiber system applications).

For more information on our product offerings, please visit [corning.com/fttp](https://www.corning.com/fttp)



Corning offers a full line of terminals and housings for wireless deployments. Terminals with hardened connectors are designed to facilitate optical interconnections for Base-2, Base-12, or single-fiber connectivity deployments.



## Indoor Fiber Management

Pigtailed 1U Housings (Housing Preloaded With Three Pigtailed Cassettes)			
Corning Part Number	Description	Fibers per Pack/Module (Cassette)	Fibers per Housing
CX148P24-A9-2RJ000	Centrix™ 48-Fiber Ribbon, pigtailed, LC UPC housing	24	48
CX172P24-A9-2RJ000	Centrix 72-Fiber Ribbon, pigtailed, LC UPC housing	24	72

Indoor/Outdoor Riser Stubbed 1U Housings			
Corning Part Number	Description	Fibers per Pack/Module (Cassette)	Fibers per Housing
CX1483124A9-CF001B	Centrix 48-Fiber, 31 m, FREEDM® Ribbon, stubbed, LC UPC, 1U housing	24	48
CX1723124A9-CF001B	Centrix 72-Fiber, 31 m, FREEDM Ribbon, stubbed, LC UPC, 1U housing	24	72
CTX-KIT-1RU-23CLP	Centrix 23-in 1RU Housing Mounting Brackets with Jumper Guides	1RU Centrix housing	Screw-in attachment

19-in Frame Solution Accessories			
Corning Part Number	Description	Mounting Location	Attachment Style
CTX-KIT-RT-DH	Centrix Right-Hand Jumper Routing Kit, pack of 12	Centrix cassette base and drop handle	Press in from the top into the front of the cassette
CTX-KIT-SR-SA-UCC	Centrix UCC Cable Strain-Relief Kit	Rear of housing on the strain-relief bracket (nonstubbed housing)	Screw-in attachment
CTX-KIT-1RU-19CLP	Centrix 19-in 1RU Housing Mounting Brackets with Jumper Guides	1RU Centrix housing	Screw-in attachment

## Wall-Mountable Applications

Single-Panel Housing Terminals with OptiTip® Adapter			
Corning Part Number	Description	Ports	FEED Stub Length
SPH-12OTR-12D9H	MDU Terminal, single-panel housing, OptiTip® adapter, 12 SCA ports	12	NA
SPH-12OTR-1259H	Integrated Single-Panel Housing, 12 F, bottom-mounted OptiTip adapter, front-mounted SC duplex adapters, single-mode (OS2)	12	NA
SPH-12OTR-12A9H	Integrated Single-Panel Housing, 12 F, bottom-mounted OptiTip adapters, front-mounted LC duplex adapters, UPC, single-mode (OS2)	12	NA
SPH-24OTR-24A9H	Integrated Single-Panel Housing, 24 F, bottom-mounted OptiTip adapters, front-mounted LC duplex adapters, single-mode (OS2)	24	NA

1-Fiber Jumper, Single-Mode, 1.2 mm, SC UPC to LC UPC		
Corning Part Number	Description	UOM
025801J3112003M	1-Fiber Jumper, single-mode, 1.2 mm, SC UPC to LC UPC, 3 m	EA
025801J3112005M	1-Fiber Jumper, single-mode, 1.2 mm, SC UPC to LC UPC, 5 m	EA
025801G3116003M	1-Fiber Jumper, single-mode, 1.6 mm, SC UPC to LC UPC, 3 m	EA
025801G3116005M	1-Fiber Jumper, single-mode, 1.6 mm, SC UPC to LC UPC, 5 m	EA
020201G3116003M	1-Fiber Jumper, single-mode, 1.6 mm, LC UPC to LC UPC, 3 m	EA
020201G3116005M	1-Fiber Jumper, single-mode, 1.6 mm, LC UPC to LC UPC, 5 m	EA

## OptiTip® Pigtails

SST OptiTip® Pigtail			
Corning Part Number	Product Description	Length	Description
00M212EB4D1E500F-P	SST to OptiTip® pigtail, dielectric, 12 F	500 ft	OptiTip assemblies, available connector types on order sheet range from 00 (pigtail) to M2 (OptiTip pinned SM), (B4D1E) SST dielectric cable, single-mode (OS2), 12 F, 500 ft, packaged on a reel.

OptiTip interconnect harness assemblies are designed for use in outside plant fiber access networks with fiber distribution terminals. This innovative cable assembly solution provides enhanced design flexibility, increased deployment speed, and reduced installation cost. The OptiTip MT connector design delivers superior durability and reliability for network-point connections up to 12 fibers and is packaged on a reel.



SST OptiTip Pigtail



## Core Network Access



2178 XL

2178 S

2178 XSB

2178 LL

### 2178 Series Closures

Corning Part Number	Corning Model Number	Description
80611304819	2178-XSB/FR	Flame-Retardant Closure with No Tray, maximum capacity of 48 single fusion and 288 mass fusion
80611486756	2178-XSB-EG-1T-6PGA	Splice Closure Ground, one 2532 tray and six-port flat drop grommet
80611486608	2178-S	Small Fiber Optic Splice Case, in-line or butt 0.2- to 1.0-in cable diameter
80611008857	2178-S/FR	Small Flame-Retardant In-Line Fiber Optic Splice Closure
80611486491	2178-LL	In-line or Butt Closure with Four Cable Ports, cable diameter 0.2- to 1.0-in per port, maximum capacity of 240 single and 864 mass fusion, more ports can be added with a 2181 cable addition kit
80611008865	2178-LL/FR	Flame-retardant In-Line Fiber Optic Splice Closure
80611486665	2178-XL	In-Line or Butt Fiber Closure with Two Trays, four ports total; two ports handle cable diameter up to 1 in, two ports handle cable diameter up to 1.4 in, maximum capacity of 672 single fusion or 1,728 mass fusion
80611174717	2178-XL/FR	Flame-Retardant with a Four-Port Butt or Eight-Port In-Line Configuration, two of ports are 1.4-in and two are 1-in in diameter

### 2178 Closure Accessories (Cable Addition/Expansion Kit)

Corning Part Number	Corning Model Number	Description
80611486798	2181-LS	Cable Addition/Expansion Kit for 2178 S, LS, LL, and SL closures
80611486814	2181-LS/SPLIT	Split Cable Addition/Expansion Kit for 2178L and S series closures
80611486848	2181-XB	Cable Addition/Expansion Kit 2178 for XSB and XLB closures
80611486855	2181-864-CAK	Cable Addition/Expansion Kit for 2178 XL closures
80611020373	2181-LS/FR-SPLIT	Split Cable Addition/Expansion Kit for 2178 and 2178 S series flame-retardant fiber optic closures
80611333867	2181-XB/FR	Cable Addition/Expansion Kit for 2178 XSB or 2178 XLB flame-retardant closures
80611326820	2181-XL/FR-CAK	Cable Addition/Expansion Kit for 2178 XL flame-retardant closures

### 2178 Closure Accessories

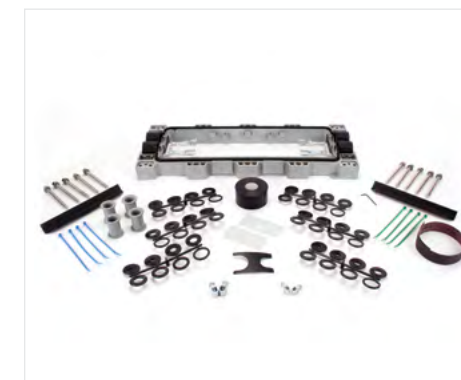
Corning Part Number	Corning Model Number	Description
80610281406	2181-B	Double Adapter Bolt Kit, used with 2178 S, LS, LL, and SL closures and two 2181 cable addition/expansion kits
80610759948	2181-C	Triple Adapter Bolt Kit, used with 2178 S, LS, LL, and SL closures and three 2181 cable addition/expansion kits
80611320948	2178-L/S-375-BOLTS	3.75-in Replacement Bolts for 2181 kits
80611320955	2178-L/S-248-BOLTS	2.48-in Standard Closure Bolts for 2178 S, LS, and LL closures
80611321862	2178-XL/XSB-FR-2PG-0.60	Flame-Retardant Two-Port 0.6-in Grommet
80611329444	2178-XL/XSB-FR-3PG-0.52	Flame-Retardant Three-Port 0.52-in Grommet
80611314586	2178-6PGA	1.4-in, Six-Port Grommet for flat cable for 2178 XSB and XL closures
80611314594	2178-4PGA	1-in, Four-Port Grommet for flat cable for all 2178 closures
80611327117	2178-1.0-PORT-CRPX	2178 1.0-in Port Grommet for Corning® RPX® cable
80611320930	2178-L/S-T-INSERTS	Stainless Steel Threaded Inserts
80610933220	2178-LS/EGI	External Ground Isolation Kit for 2178 closures, uses 1-in port
80611323439	2178-XL-XSB-SR-SMC	Cable Strain-Relief/Strength Member Bracket
80610756100	2197	Aerial Hanger Bracket Kit for 2178 S, SL, and LL closures
80610761373	2183-UHB	Universal Hanger Bracket Kit for 2178 S, LS, LL, XSB, and XLB closures
80610933212	2178-LS/GSKT	2178 S, SL, and LL Replacement Gasket
80611317696	2184	Adjustable Aerial Hanger Bracket Kit for 2178 XSB, XLB, S, and SL closures

### 2178 Closure Accessories (Trays)

Corning Part Number	Corning Model Number	Description
80611331978	2543-U-24SF-3MM/144MF	Universal Tray for 2178 Closures ( S, LS, LL, and XL) for up to 144 MF/24 SF with 2520-6RF zip tube
80611623846	2543-D-RF-288	Deep Mass Fusion Tray That Can Support 288 F, needed for 1728 Corning® RocketRibbon™ cable
80611304801	2532	Fiber Splice Organizer Tray used for 2178 XSB and XLB, closure splice capacity of 48 single and 144 mass fusion
80611175581	2527	Fiber Splice Organizer Tray for 2178 Closures for S, LS, LL, XL, and Corning® SLiC® fiber closures 530, 533, and 733 splice capacity of 24 single and 144 mass fusion splices
80611325871	2527-48-SF	Tray for up to 48 single fusion splices for use with 2178 closures S, LS, LL, XL, and SLiC fiber closures 533, 547, 733, and 530
80611623879	2543-D-SF-96	Tray for up to 96 single fusion splices for use with 2178 closures S, LS, LL, XL and SLiC fiber closures 533, 547, 733 and 530



4-Port Grommet for Flat Drop Cable (2178-4PGA)



Split Cable Expansion (2181-LS/FR-SPLIT)



Splice Tray (2527)

## Small Cell Terminals

Multiport Terminals			
Corning Part Number	Fibers/Ports	Number of Ports	Description
MTB-0644FD010FW-P	1	6	Terminal Fiber with OptiTip® 6 F, 10-ft tail
MTB-1244FD010FW-P	1	12	Terminal Fiber with OptiTip, 12 F, 10-ft tail
MOB-1244FD010FW-P	1	6	Terminal fiber makes with bulk stub, 6 F, 10-ft tail
MOB-0644FD010FW-P	1	12	Terminal fiber makes with bulk stub, 12 F, 10-ft tail



Terminals are designed for use in outside plant fiber access networks. This innovative terminal provides sealed environmental protection and fast, easy incremental connection of drop cables while increasing deployment velocity. Its reliability and flexibility make it the ideal choice for network-access-point terminals in fiber-to-the-x (FTTx) and access network deployments.

Multiport Terminal

Multiport Flex Terminals		
Corning Part Number	PID	Description
MPF-0648M1R43F-P	200000216	OptiSheath® Multiport Flex Terminal, OptiTap® non-pinned to OptiTap non-pinned, 6 port
MPF-1248M1R43F-P	200000214	OptiSheath Multiport Flex Terminal, OptiTap non-pinned to OptiTap non-pinned, 12 port



Terminals are designed for use in outside plant fiber access networks. These innovative terminals provide sealed environmental protection and fast, easy incremental connection of drop cables while increasing deployment velocity. Their reliability and flexibility make them the ideal choice for network-access-point terminals in FTTx and access network deployments. For space-constrained installation, the multiport flex is the best option.

Multiport Flex Terminal

MF2 Multiport Terminals – 2 Fibers to Each Port				
Corning Part Number	Description	Fibers/Ports	Number of Ports	UOM
MF02-007704EB4S500F	MF2x2 Multiport Terminal, 500 ft, 4-F SST-Drop™ cable, bare end stub	2-F	2P	EA
MF02-007708EB4S500F	MF2x4 Multiport Terminal, 500 ft, 8-F SST-Drop cable, bare end stub	2-F	4P	EA
MF02-007712EB4S500F	MF2x6 Multiport Terminal, 500 ft, 12-F SST-Drop cable, bare end stub	2-F	6P	EA
MF02-007716ESLS500F	MF2x8 Multiport Terminal, 500 ft, 16-F ALTOS® loose tube cable, bare end stub	2-F	8P	EA
MF02-007724ESLS500F	MF2x12 Multiport Terminal, 500 ft, 24-F ALTOS® loose tube cable, bare end stub	2-F	12P	EA
MF02-M17708EB4SA00F	MF2x4 Multiport Terminal, 1,000 ft, 8-F SST with OptiTip® stub	2-F	4P	EA
MF02-77712ENSS000M	MF2x6 Multiport Terminal, stubless, 12-F OptiTip input port	2-F	6P	EA

MF2 multiport terminals feature OptiTip® multifiber connector technology to enable connectivity to remote radio units (RRU). Available unstubbed to use OptiTip pigtails as a feeder, stubbed bare ended or unstubbed with OptiTip connectors.



MF2 Stubbed Terminal

MF12 Multiport Terminals – 12 Fibers to Each Port				
Corning Part Number	Description	Fibers/Ports	Number of Ports	UOM
MF12-007724EU4S500F	MF12x2 Multiport Terminal, 500 ft, 24-F ALTOS loose tube cable, bare end stub	12-F	2 P	EA
MF12-007724EV4S500F	MF12x2 Multiport Terminal, 500 ft, 24-F RPX® cable, bare end stub	12-F	2 P	EA

OptiTap® In-Line SST-Drop™ Assembly		
Corning Part Number	PID	Description
434802JB4FD010F-P	20006841	OptiTap® In-Line Drop Assembly for use with multiport FlexNAP™ terminals. 10-ft with 36-in furcation on each end. Features an OptiTap connector on one end and the OptiTap in-line adapter on the other end. Contains 2 fibers.



2-Fiber OptiTap In-Line Assembly

1-Fiber Drops	
Corning Part Number	Description
43701JB4FD010F-P	OptiTap 1-Fiber SST-Drop™ cable assembly. 1 OptiTap connector to LC UPC simplex, diaelectric cable, 10 ft. Compatible with Samsung radios using Jonhon, Nokia, Alrscale, and Ericsson using Full AXS
43201JB4FD010F-P	OptiTap 1-Fiber SST-Drop cable assembly. 1 OptiTap connector to LC UPC simplex, diaelectric cable, 10 ft, 5.5-in furcation. Compatible with Ericsson 220x and 440x radios

The Corning small cell drop assemblies are rugged, self-supported, and crush-resistant. The OptiTap to LC assembly is made for use with Corning's multiport terminals in both the buried and aerial environments. This small cell drop cable assembly allows for a simplex, single-fiber connection from the multiport to the radio, removing the requirement for additional hardware. Two options with differing furcation lengths allow for compatibility with either 1) Samsung radios utilizing JonHon, Ericsson radios utilizing Full AXS or Nokia AirScale radios or 2) Ericsson 220x and 440x radios.



OptiTap to LC Simplex

Uniboot Drops	
Corning Part Number	Description
430202JB4AD010F-P	Dual OptiTap® to LC Duplex, Uniboot LC Connector, SST single-mode dielectric cable, 2 F. Compatible with Ericsson RRUS radios, as well as hardware utilizing OCTIS.



Dual OptiTap to Uniboot LC Duplex

Ericsson Drops	
Corning Part Number	Description
430402JB4FDXXXF-P	2 x OptiTap to LC Duplex connector, SST single-mode dielectric cable, 2 F, 5.5-in furcation. Designed for use with the Ericsson 2203 and 2205 radios.



Dual OptiTap to LC Duplex

The Corning small cell drop assemblies are rugged, self-supported, and crush-resistant. The dual OptiTap to LC Duplex drops are made for use with the Corning multiport terminals in both the buried and aerial environments. This assembly allows for a duplex, 2-fiber connection from the multiport to the radio, removing the requirement for additional hardware. Two options with differing furcation lengths on the LC Duplex end allow for compatibility with either 1) Ericsson 2203 and 2205 radios or 2) Ericsson RRUS radios, as well as hardware utilizing OCTIS style connections with a uniboot design.

## Tools and Accessories

Corning Part Number	Description	UOM
CLEANER-PUSHLOK	Cleaning Tool for connectors and terminal ports. Compatible with OptiTap®, Pushlok™, and SC APC connectors	EA
CLEANER-PORT-LC	LC Connector Cleaning Tool	EA
TKT-OTMT-CLN-002	Toolkit – OptiTip® cleaning tool	EA
TKT-RIBBON-COMBO	Combination Ribbon Toolkit	EA
RST-000	Cable/Fiber Access Tools, ribbon splitting tool	EA
UAT3-000	Cable/Fiber Access Tools, universal access tool	EA
UAT3-BLADES	Cable/Fiber Access Tools, UAT3-000 replacement blades	EA
UAT3-SPRINGS	Cable/Fiber Access Tools, UAT3-000 replacement springs	EA
2104466-01	Fiber Optic Cleaning Tool, MTP® connectors	EA
2104478-01	Fiber Optic Cleaning Tool, OptiTip connector	EA



Ribbon Combo Toolkit



Pushlok Cleaning Tool



OptiTip Cleaning Tool

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Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA  
 800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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