

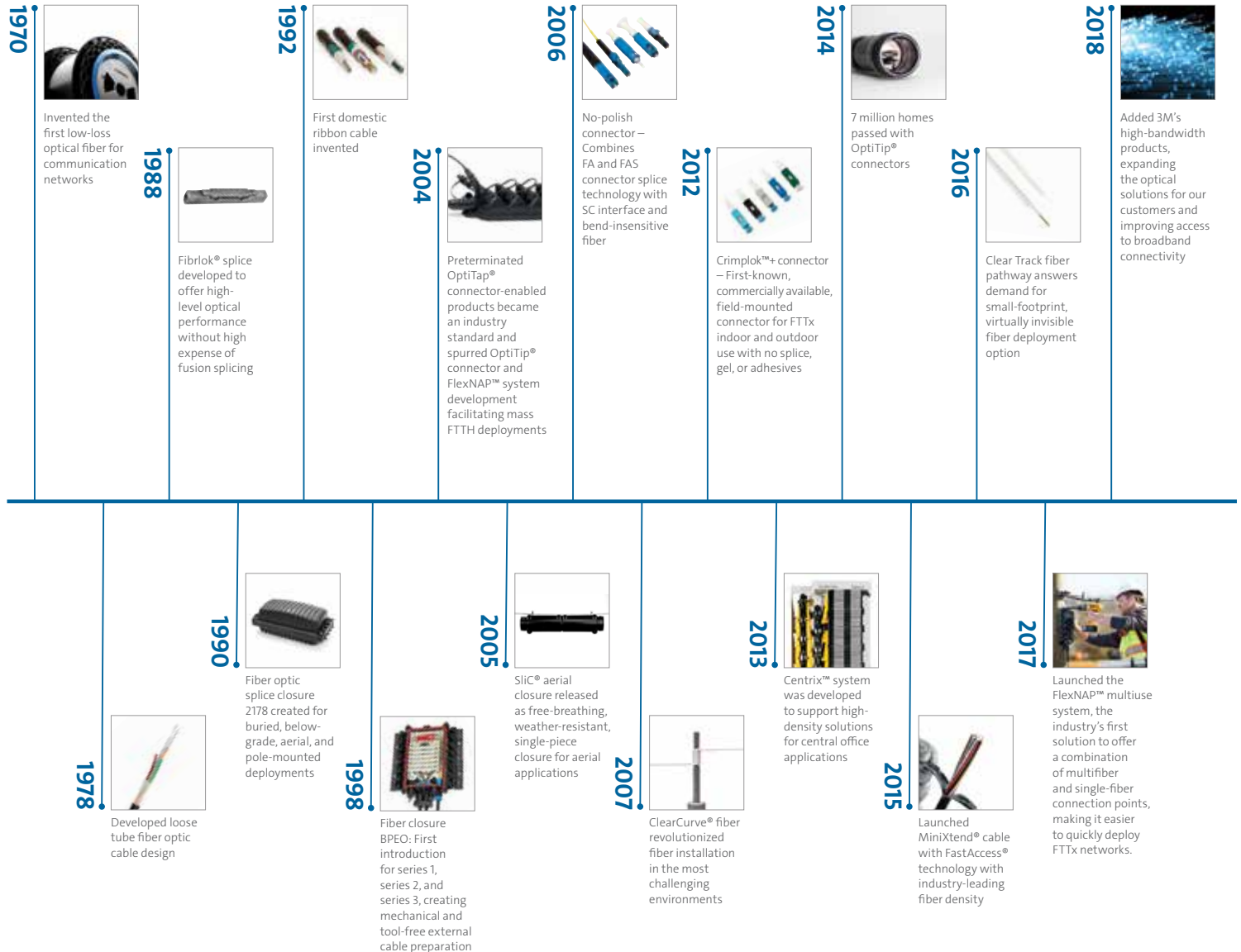
A man in a blue suit and tie is walking on a sidewalk, holding a coffee cup and a black bag. He is walking alongside a young child who is wearing a light blue shirt, dark pants, a red backpack, and a light blue helmet. The child is riding a blue and red scooter. In the background, there is a two-story house with a white porch and a ceiling fan. The scene is set in a suburban neighborhood with greenery and a clear sky.

CORNING

2019 Carrier Networks

# Core Products

# Carrier Innovation





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Connect with the solution that best fits the needs of your network by leveraging the full portfolio of Corning products.

# WHY TRUST YOUR NETWORK TO CORNING?

Corning is a diversified technology company with a proud history of developing breakthrough technologies that significantly improve people’s lives. We’ve been changing the world through innovation for more than 165 years, and our fiber optic products have been used in the communications networks of the biggest and most profitable companies in the world. There is no one more qualified to connect your network.

**Evolve your network, transform the world.**



# Connecting Better Together

Whether you are maintaining your infrastructure to stay ahead of bandwidth demand or building your network from the ground up, you have scores of decisions to make – and every one of them can impact your bottom line. Before exploring specific connectivity products, connect with us for value that extends well beyond our product portfolio.



## FTTH Market Assessment

This free assessment functions as a preliminary feasibility study – it explores high-level design assumptions and explanations for your network, including budgetary cost estimates for passive components, actives and construction, as well as network operation and maintenance. Your takeaway: information valued between \$150,000 to \$300,000.

## Deployment Scenario Analysis

When it comes to deploying optical infrastructure, you have architecture and deployment options – each with advantages and costs. In this complimentary one-on-one session, we will talk through the variables for your network, including distance between homes and local labor rates. Your takeaway will be the per-home-passed price tag and start-to-finish timeline for the various deployment options you're considering.

## Collaborative Ecosystem Approach

Whether it's your millionth deployment, or your first, we have comprehensive solutions for you. We have formed strategic relationships in every area to make your deployment choice a success, including system integrators, financiers, active equipment manufacturers, network operators, and more.

**We're here. We understand.**



# LET US **HELP YOU.**

Email us at [connect@corning.com](mailto:connect@corning.com)



# Central Office/Headend Solutions

## Connect to Network Transformation

The core of every network is the central office or headend (CO/HE). It's the foundation needed to support the demand for new connectivity, capacity, and speed. Faced with the significant challenges of meeting increased bandwidth demands and providing enhanced services, network operators are re-evaluating their inside plant strategy and realizing new business opportunities. Our hardware solutions simplify the design and deployment of your central office or headend, with versatile product families that offer industry-leading density and flexibility and provide the lowest total cost of ownership.

# Connect to high-density fiber management

## The Centrix™ System Extensions

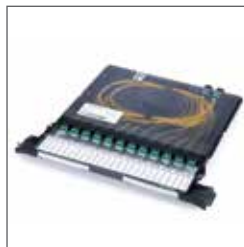
Centrix system is our next-generation switch center solution that combines extreme flexibility and simplicity with the ultimate in density. With superior jumper management and an innovative fiber routing system, the Centrix system is a cross-functional system that meets the requirements of multiple application spaces including central offices, headends, and centralized-radio access network (C-RAN) sites. We've recently expanded the Centrix system portfolio to include several new products, which enhance its flexibility and ease of use.



The new Centrix system enclosed 4U housing allows users to place Centrix cassettes in 19- and 23-in racks or frames. Intuitive port mapping, finger access, and improved cable-entry management make the housing easy to use, while the enclosed design provides added protection and security. The staggered cassette, common public radio interface (CPRI) tap module, and MTP®-enabled module are three additional extensions that enable maximum accessibility, testing and monitoring without disrupting live traffic, and the use of trunks or harnesses, respectively.

## Versatility. Ease of use.

Learn more about the flexibility of Centrix system at [corning.com/core/centrix](http://corning.com/core/centrix).



Centrix MTP Module



Centrix CPRI Tap Module



Centrix Staggered Cassette

## Central Office/Headend Solutions

While there is no “one-size-fits-all” approach to network future-readiness, we have the design experience coupled with versatile central office/headend offerings to create a scalable solution that optimizes the capabilities of your unique network.

### 1A Outdoor Transition Splice\*

- SCF Splice Closure
- UCAO Splice Closure
- Optical Cross-Connect Cabinet

### 1B Indoor/Outdoor Cable\*

- FREEDM® Loose Tube Riser Cable
- FREEDM Ribbon Cable

### 2A Indoor Transition Splice

- OSE Splice Enclosure

### 2B Indoor Cable\*

- MIC® Riser Cable
- MIC Plenum Cable

### 3A Medium-Density Fiber Distribution

- Eclipse® Hardware

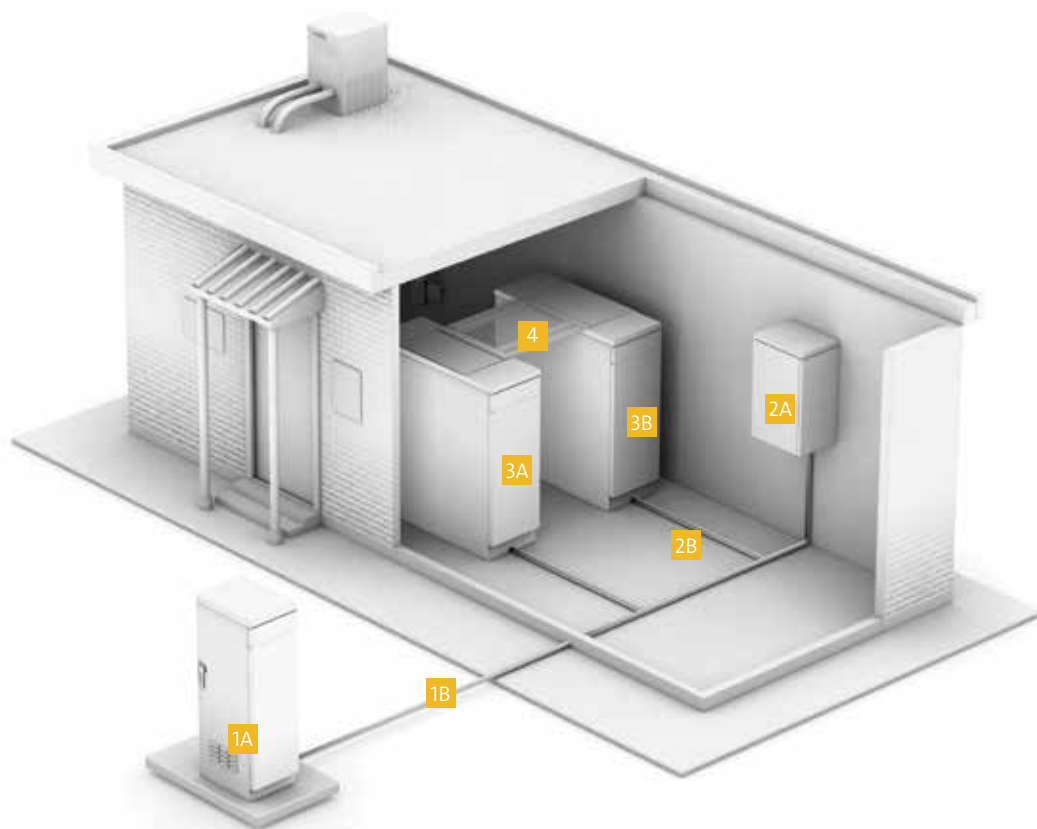
### 3B High-Density Fiber Distribution

- Centrix™ System

### 4 Cable Assembly

- Simplex Cable Assembly
- Duplex Cable Assembly

*\* Please see the respective sections for more information about these products.*



For more information about fiber distribution solutions, visit [corning.com/core/isp](https://corning.com/core/isp)



# Central Office/Headend Solutions

1A	
Outdoor Transition Splice	
For more information about our Outside Plant cables, <a href="#">please refer to page 18</a> .	
For more information about our splice closures and cabinets, <a href="#">please refer to page 25</a> .	
1B	
Indoor/Outdoor Cable	
For more information about our Indoor/Outdoor cables, <a href="#">please refer to page 19</a> .	
2A	
Indoor Transition Splice	
Optical Splice Enclosure (OSE)	
OSE-UD0-00-3	Up to 5,184 single-fiber splice or 6,912 ribbon splice, space for 48 OSE splice trays, no lock
OSE-HD0-W0-11	Up to 3,240 single-fiber splice or 4,320 ribbon splice, space for 30 OSE splice trays, no lock
OSE-LD0-W0-11-L	Up to 1,296 single-fiber splice or 1,728 ribbon splice, space for 12 OSE splice trays, lockable
OSE Splice Trays	
OSE-ST-3-TQ	144 F, mass fusion ribbon
OSE-ST-9	108 F, single-fiber heat-shrink fusion
OSE-ST-3	72 F, mass fusion ribbon
OSE-ST-6	48 F, single-fiber heat-shrink fusion
OSE Cable Entry Kits	
OSE-CBL-41	1.380 to 1.500-in cable diameter range
OSE-CBL-36	0.875 to 1.000-in cable diameter range
OSE-CBL-34	.375 to .500-in cable diameter range
2B	
Indoor Cable	
For more information about our Indoor cable, <a href="#">please refer to page 21</a> .	

## Medium-Density Fiber Distribution Components

Eclipse® System

TX/RX	Jumpers	Splitters/Modules	Housings	Jumpers	Splice/Stubbed Housings	OSE
						

## Central Office/Headend Solutions

3A	
Medium-Density Fiber Distribution	
Eclipse® Frames and Housings	
ECL-BAY-7	Eclipse Frame, 7 ft with top and bottom shelves, 19-in wide
UDF-BAY-19E-07-075	Eclipse Unequal flange, 19-in frame, 7 ft high
ECL-C4U	Eclipse 4 Rack Units, holds 12 Eclipse connector panels, up to 144 F
ECL-D4U	Eclipse 4 Rack Units, extended-depth connect-and-splice housing
ECL-C2U	Eclipse 2 Rack Units, holds four Eclipse connector panels, 48 F
ECL-C1U	Eclipse 1 Rack Unit, holds two Eclipse connector panels, 24 F
ECL-S4U	Eclipse Splice Housing with capacity for (12) 0.2-in tall splice trays
ECL-S4U-F	Eclipse Splice Housing with capacity for (6) 0.4-in tall splice trays
Eclipse Pigtailed Splice Housings	
EC4E4P12-D9-3RN6R0	Eclipse 4 Rack Unit, 144 F Housing, 12 connectors per panel, SC APC, 900 µm 3-m tails, six SCF-ST-077 splice trays (OS2)
EC4E4P12-B3-3RJ6R0	Eclipse 4 Rack Unit, 144 F Housing, 12 connectors per panel, LC APC, ribbon 3-m tails, six SCF-ST-077 splice trays (OS2)
EC224P06-6C-3RJ2R0	Eclipse 2 Rack Unit, 24 F Housing, 6 connectors per panel, SC APC, ribbon 3-m tails, two SCF-ST-077 splice trays (OS2)
EC248P08-A9-3RJ2R0	Eclipse 2 Rack Unit, 48 F Housing, 12 connectors per panel, LC UPC, ribbon 3-m tails, two SCF-ST-077 splice trays (OS2)
EC124P06-6C-3RJ1R0	Eclipse 1 Rack Unit, 24 F Housing, 12 connectors per panel, SC APC, ribbon 3-m tails, one SCF-ST-077 splice trays (OS2)
EC116P08-3C-3RN1R0	Eclipse 1 Rack Unit, 16 F Housing, 8 connectors per panel, SC UPC, 900 µm 3-m tails, one SCF-ST-077 splice trays (OS2)
Eclipse Stubbed Housings	
ECLE41612D9-U4001B	Eclipse 4 Rack Unit, 144 F Housing, 12 connectors per panel, SC APC, 16-m stub, ALTOS® loose tube, gel free (OS2)
ECLE41612B3-C7001B	Eclipse 4 Rack Unit, 144 F Housing, 12 connectors per panel, LC APC, 16-m stub, ribbon riser cable (OS2)
EC248161259-C7001B	Eclipse 2 Rack Unit, 24 F Housing, 12 connectors per panel, SC UPC, 16-m stub, ribbon riser cable (OS2)
EC248161259-C7001B	Eclipse 2 Rack Unit, 48 F Housing, 12 connectors per panel, SC UPC, 16-m stub, ribbon riser cable (OS2)
EC1241612D9-C7001B	Eclipse 1 Rack Unit, 24 F Housing, 12 connectors per panel, SC APC, 16-m stub, ribbon riser cable (OS2)
EC1241612B3-C7001B	Eclipse 1 Rack Unit, 16 F Housing, 12 connectors per panel, LC APC, 16-m stub, ribbon riser cable (OS2)
Eclipse Connector Panels	
ECL-CP1259	Eclipse 12 connectors per panel, SC UPC (OS2)
ECL-CP12A9	Eclipse 12 connectors per panel, LC UPC (OS2)
ECL-CP12D9	Eclipse 12 connectors per panel, SC APC (OS2)
ECL-CP12B3	Eclipse 12 connectors per panel, LC APC (OS2)
ECL-CP0859	Eclipse Eight connectors per panel, SC UPC (OS2)
ECL-CL08D9	Eclipse Eight connectors per panel, SC APC (OS2)
ECL-CP063C	Eclipse Six connectors per panel, SC UPC (OS2)
ECL-CP066C	Eclipse Six connectors per panel, SC APC (OS2)

## Central Office/Headend Solutions

3A

### Medium-Density Fiber Distribution (continued)

#### Eclipse® Connector Housings

ECL-C4U-E4D9	Eclipse 4U Housing, 144 port, 12 connectors per panel, SC APC (OS2)
ECL-C2U-48B3	Eclipse 2U Housing, 48 port, 12 connectors per panel, LC APC (OS2)
ECL-C1U-2459	Eclipse 1U Housing, 24 port, 12 connectors per panel, SC UPC (OS2)
ECL-C1U-24B3	Eclipse 1U Housing, 24 port, 12 connectors per panel, LC APC (OS2)
ECL-C4U-726C	Eclipse Connector Housing, 4RU, 72-port SC APC

#### Eclipse Splitters and WDM

UMB1CC6CZ6C21132	Eclipse GEN III Splitter, 1x32, SC APC input/output
UMB1CC5CZ5C22116	Eclipse GEN III Splitter, dual 2x16 SC UPC input/output
ECL-GEN3-U8-MH4U	Eclipse 4U equipped with nine Gen III splitter adapters, two ECL-CP-SCPARK parking lots, and one 12 F SC APC duplex connector panel, single-mode (OS2)
EHS1AA3C03C02132	Eclipse 2U Shelf, SC UPC to SC UPC, input/output, two 1x32 devices
ESS1AA6C06C01132	Eclipse 1U Shelf, SC APC to SC APC, input/output, one 1x32 device
EMS1AAD90D901014	Eclipse Single-Wide Module, SC APC to SC APC, input/output, one 1x4 device

#### Eclipse CWDM

CAX6C04BEYZZUN	Eclipse Module, 4-channel CWDM, 1470-1530, +1310, SC APC
ECS-086C-Y	Eclipse Shelf, CWDM, 1U eight CWDM devices, wavelength range 1310-1550 nm, SC APC
CAX6C04FJ-ZZUN	Eclipse Module, CWDM, 1550-1610, SC APC

#### Eclipse Accessories

2806031-01	Eclipse Heat-Shrink Fusion Splice Protector Parts, single fiber, 60 mm long (package of 50)
2806031-012	Eclipse Heat-Shrink Fusion Splice Protector Parts, 6-or-12-fiber ribbon, 40 mm long (package of 50)
M67-041	Eclipse Splice Tray, RTV splices, 0.2-in, 12 F



Eclipse Splitter Shelf



Eclipse Housings, Populated



Eclipse 4U Housing

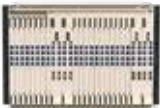









Eclipse 4U Housing, Stubbied

# Central Office/Headend Solutions

## High-Density Fiber Distribution Components

Centrix™ System

TX/RX	Jumpers	Splitter/Modules	Housings	Jumpers	Splice/Stubbed Housings	Frame	OSE
							

3B	
High-Density Fiber Distribution	
Centrix™ Trunks	
A9090E4GPNBBUxxxF	Centrix Plug & Play™ Universal MTP®, plenum, non-armored trunk, 144 F with 36-in leg length, MTP (non-pinned) to MTP (non-pinned), pulling grip one side, single-mode (OS2), xxx ft
A9090E4GPNBBPxxxF	Centrix Plug & Play Straight-Through MTP, plenum, non-armored trunk, 144 F with 36-in leg length, MTP (non-pinned) to MTP (non-pinned), pulling grip one side, single-mode (OS2), xxx ft
G9090E4GPNDUxxxF	Centrix EDGE™ MTP Trunk, single-mode Ultra (OS2), 144 F, MTP (non-pinned) to MTP (non-pinned), TIA-568 standard universal type-B polarity, pulling grip on first end only, xxx ft
G9090E4GPNDPxxxF	Centrix EDGE MTP Trunk, single-mode Ultra (OS2), 144 G, MTP (non-pinned) to MTP (non-pinned), TIA-568 straight-through type-A polarity, pulling grip on first end only, xxx ft



Centrix Workshelf



Centrix 1U, 2U, and 4U Housings, Populated



Centrix Service Bracket



## Central Office/Headend Solutions

3B

### High-Density Fiber Distribution (continued)

#### Centrix™ Frames and Housings

CTX-SA-FRAME-7*	Centrix Standard Rear Cable Access Frame, 7 ft
CTX-FA-FRAME-7*	Centrix Front Cable Access Frame, 7 ft
CTX-SA-FRAME-7*	Centrix Rear Cable Access Frame, 6 ft (70-in high)
CTX-PK-SA*	Centrix Frame Isolation Ground Pad Kit, rear access frame
CTX-PK-FA*	Centrix Frame Isolation Pad, front access
CTX-S4U	Centrix Housing, 4U, 12 cassette positions empty
CTX-S2U	Centrix Housing, 2U, six cassette positions empty
CTX-S1U	Centrix Housing, 1U, three cassette positions empty
CTX-KIT-4RU-19CLP	Centrix 4U Housing Mounting Bracket Kit for 19-in frame
CTX-KIT-4RU-23CLP	Centrix 4U Housing Mounting Bracket Kit for 23-in frame
CTX-KIT-4RU-23HUB	Centrix 4U Housing Routing Hub Kit for 4U in a 23-in frame
CTX-KIT-2RU-19CLP	Centrix 2U Housing Mounting Bracket Kit for 19-in frame
CTX-KIT-2RU-23CLP	Centrix 2U Housing Mounting Bracket Kit for 23-in frame
CTX-KIT-1RU-19CLP	Centrix 1U Housing Mounting Bracket Kit for 19-in frame
CTX-KIT-1RU-23CLP	Centrix 1U Housing Mounting Bracket Kit for 23-in frame

#### Centrix Accessories

CTX-KIT-RT-DH	Centrix Right-Hand Jumper Routing Waterfall Kit (Qty: 12)
CTX-WORKSHELF	Centrix Frame-Mounted Workshelf
CTX-SERVICEBKT	Centrix Cassette Service Bracket

#### Centrix Stubbied Housings

CX4WW6236A9-Q7001B	Centrix Stubbied 4U Housing, 432 F, LC duplex adapters, single-mode (OS2), UPC, 36 F cassettes, 62 m ALTOS® ribbon riser indoor cable, top right (standard) cable entry
CX4U831246C-UF001B	Centrix Stubbied 4U Housing, 288 F, SC simplex adapters, single-mode (OS2), UPC, 24 F cassettes, 31 m FREEDM® riser cable, top right (standard) cable entry
CX2M69236A9-C7001B	Centrix Stubbied 2U Housing, 216 F, LC duplex adapters, single-mode (OS2), UPC, 36 F cassettes, 92 m ribbon riser indoor cable, top right (standard) cable entry
CX2E43124B3-CF001B	Centrix Stubbied 2U Housing, 144 F, LC duplex adapters, single-mode (OS2), APC, 24 F cassettes, 31 m FREEDM® riser cable, top right (standard) cable entry
CX1726124A9-C7001B	Centrix Stubbied 1U Housing, 72 F, LC duplex adapters, single-mode (OS2), UPC, 24 F cassettes, 61 m ribbon riser indoor cable, top right (standard) cable entry
CX1483124BS-CF001B	Centrix Stubbied 1U Housing, 48 F, LC duplex adapters, single-mode (OS2), APC, 24 F cassettes, 31 m FREEDM riser ribbon indoor cable, top right (standard) cable entry

\* Note: New part numbers coming soon.

## Central Office/Headend Solutions

3B

### High-Density Fiber Distribution (continued)

#### Centrix™ Pigtailed Splice Cassettes

CTXCPP36-B3-2RH000	Centrix Splice Cassette with 36 LC APC adapters and MIC® 250 µm standard single-mode pigtails
CTXCPP36-B3-2RJ000	Centrix Splice Cassette with 36 LC APC adapters and single-mode pigtails, ribbon
CTXCPP36-A9-2RH000	Centrix Splice Cassette with 36 LC UPC adapters and MIC 250 µm standard single-mode pigtails
CTXCPP24-6C-2RJ000	Centrix Splice Cassette with 24 SC APC adapters and single-mode pigtails, ribbon
CTXCPP24-B3-2RJ000	Centrix Splice Cassette with 24 LC APC adapters and single-mode pigtails, ribbon
CTXCPP24-B3-2RH000	Centrix Splice Cassette with 24 LC APC adapters and single-mode pigtails, MIC® 900 µm standard
CTXCPPI2-6C-2RJ000	Centrix Splice Cassette with 12 SC APC adapters and single-mode pigtails, ribbon

#### Centrix Modules, Splitters, and Cassettes

CTXCMA00-B3-SP1132	Centrix Splitter Cassette, One 1x32 splitter, LC APC connectors
CTXCMA00-B3-SP1116	Centrix Splitter Cassette, One 1x16 Splitter, LC APC connectors
CTX6C08BJZZUN	Centrix WDM Cassette, 8 channel mux or demux, 1470-1610 with 1310 port, SC APC
CTXB308BJZZUN	Centrix WDM Cassette, 8 channel mux or demux, 1470-1610 with 1310 port, LC APC
CTXCE1B3B30004-01X	Centrix WDM Cassette 1x 2:1 Coexistence Element GPON/NG-PON, LC APC
CTXCE1B3B30004-12X	Centrix WDM Cassette 12x 2:1 Coexistence Element GPON/NG-PON, LC APC
CTXCPP35-A9-2RH000	Centrix Staggered Pigtail Cassette, 36 Fiber, LC UPC
CTXCPP35-B3-2RH000	Centrix Staggered Pigtail Cassette, 36 Fiber, LC APC
CTXTP125BGA9-12	Centrix CPRI Tap Module, 24 Fiber, Two 12 Fiber Front Tap MTPs, 24 LC UPC connectors
CTXTP085BGA9-12	Centrix CPRI Tap Module, 24 Fiber, Three 8 Fiber Front Tap MTPs, 24 LC UPC connectors
CTX24A9-E73RRR	Centrix MTP® Enabled Module, 24 Fiber, Three 8 Fiber Front MTPs, 24 LC UPC connectors
CTX24B3-892RBR	Centrix MTP Enabled Module, 24 Fiber, Two 12 Fiber Rear MTPs, 24 LC APC connectors



Centrix Splice Cassette, 24 LC APC Adapters



Centrix Splice Cassette, 36 LC UPC Adapters



Centrix Splitter Cassette, One 1x32, LC APC Connectors

# Central Office/Headend Solutions

4	
Cable Assemblies	
Centrix™ Cable Assemblies	
222236GD9LBB010M	Centrix Tie Cable Assembly, 36 F, LC APC each end, furcation for use with Centrix patch cassette, standard 36-in breakout legs at terminating end, with LC APC, 10 m length
020236GD9LCB010M	Centrix Tie Cable Assembly, 36 F, LC UPC each end, furcation for use with Centrix patch cassette, standard 36-in breakout legs at terminating end, with LC APC, 10 m length
585824GD9LCB010M	Centrix Tie Cable Assembly, 36 F, SC APC each end, furcation for use with Centrix patch cassette, standard 36-in breakout legs at terminating end, with LC APC, 10 m length
444424GD9LCB010M	Centrix Tie Cable Assembly, 24 F, SC APC each end, furcation for use with Centrix patch cassette, standard 36-in breakout legs at terminating end, with LC APC, 10 m length
Eclipse® Cable Assemblies	
444424R8820005M	Eclipse Plug & Play™ Universal MTP® plenum, non-armored trunk, 144 F with 36-in leg length, MTP (non-pinned) to MTP (non-pinned), pulling grip one side, single-mode (OS2), xxx ft
444448R8820005M	Eclipse Plug & Play Straight-Through MTP plenum, non-armored trunk, 144 F with 36-in leg length, MTP (non-pinned) to MTP (non-pinned), pulling grip one side, single-mode (OS2), xxx ft
222224R8820005M	Eclipse EDGE™ MTP Trunk, single-mode Ultra (OS2) 144 F, MTP (non-pinned) to MTP (non-pinned), TIA-568 standard universal type-B polarity, pulling grip on first end only, xxx ft
222248R8820005M	Eclipse EDGE MTP Trunk, single-mode Ultra (OS2), 144 F MTP (non-pinned) to MTP (non-pinned), TIA-568 straight-through type-A polarity, pulling grip on first end only, xxx ft
Jumpers (Centrix and Eclipse)	
444401G3116004M	Jumper, single-mode, SC APC to SC APC, 4-m long, 1.6 mm outer diameter
222201G3116004M	Jumper, single-mode, LC APC to LC APC, 4-m long, 1.6 mm outer diameter
224401G3116004M	Jumper, single-mode, LC APC to SC APC, 4-m long, 1.6 mm outer diameter
020201G3116004M	Jumper, single-mode, LC UPC to LC UPC, 4-m long, 1.6 mm outer diameter



SC APC Jumpers in Centrix Cassette



Single Fiber Cable Assembly, SC APC to SC APC Connectors



Single Fiber Cable Assembly, LC UPC to LC UPC Connectors

# Optical Cables and Closures

## Connect to the Corning Advantage

We invented the first low-loss optical fiber over 40 years ago, igniting the critical spark that began a communications revolution and forever changed the world. And today, after recently delivering our 1 billionth kilometer of fiber, we continue to lead the industry in product quality and innovation. With designs for every environment, our innovative cables solve your unique application challenges, from congested duct space and environmental extremes, to mechanical forces and cable-entry concerns.



# You say challenge. We say opportunity.



## Corning® RocketRibbon™ Extreme-Density Cable

Can your network support emerging technology, where high-fiber availability is critical? We created RocketRibbon extreme-density cable, designed for data center and telecom applications, to help meet your network performance challenges.

Experience industry-leading density from a cable that is also easy to manage, identify, and trace. And suddenly, your network challenges may feel more like opportunities.

## Are you future-ready?

Visit [corning.com/core/rocketribbon](https://corning.com/core/rocketribbon) to learn more about our cabling solution for emerging network requirements.

# Optical Cables and Closures

## Fiber Color Code

Outside Plant Cables	
ALTOS® Loose Tube Cables	
xxxEU4-T4100D20	ALTOS® Loose Tube, Gel-Free Cable, .35/.35/.25 attenuation, single-mode (OS2), 12-288 F
xxxEU4-T4700D20	ALTOS Loose Tube, Gel-Free Cable with FastAccess® technology, .35/.35/.25 attenuation, single-mode (OS2), 12-288 F
xxxZU4-T4F22D20	ALTOS Loose Tube, Gel-Free Cable with binderless* FastAccess technology, .35/.35/.25 attenuation, single-mode, 12-72 F
xxxEUC-T4100D20	ALTOS Lite Single-Jacket, Single-Armored Loose Tube, Gel-Free Cable, .35/.35/.25 attenuation, single-mode (OS2), 12-288 F
xxxZUC-T4F22D20	ALTOS Lite Single-Jacket, Single-Armored Loose Tube, Gel-Free Cable with FastAccess technology, .35/.35/.25 attenuation, single-mode (OS2), 12-72 F
SST-Drop™ Single-Tube, Gel-Filled Cables	
xxxEB4-14101A20	SST-Drop Single-Tube, Gel-Filled Cable, single-mode (OS2), 1-12 F
xxxEB1-14101A20	SST-Drop Single-Tube, Toneable, Gel-Filled Cable, single-mode (OS2), 1-12 F
SST-Ribbon™ Single-Tube, Gel-Free Cables	
xxxEC4-14100D53	SST-Ribbon Single-Tube, Gel-Free Cable, single-mode (OS2), 12-216 F
xxxEC5-14100D53	SST-Ribbon Single-Tube, Gel-Free Armored Cable, single-mode (OS2), 12-216 F
xxxEV4-14100D53	SST-UltraRibbon™ Single-Tube, Gel-Free Cable, single-mode (OS2), 288-864 F
xxxEV5-14100D53	SST-UltraRibbon Single-Tube, Gel-Free Armored Cable, single-mode (OS2), 288-864 F
Corning® RocketRibbon™ Extreme-Density Cables	
H28ZQ4-14101S53	RocketRibbon Extreme Density Cable, Corning® SMF-28® Ultra fiber, single-mode (OS2), 1728 F
Y56ZQ4-14101S53	RocketRibbon Extreme Density Cable, SMF-28 Ultra fiber, single-mode (OS2), 3456 F
MiniXtend® Microduct Cables	
xxxZM4-T4F22A20	MiniXtend® Cable with binderless* FastAccess technology, xxx F, SMF-28 Ultra single-mode G.652.D/G.657.A1, 12-144 F
xxxZH4-Y4F40A20	MiniXtend HD with binderless* FastAccess technology (36F/Tube), SMF-28 Ultra 200um single-mode, 288 F, 432 F
SOLO® ADSS Optical Cables	
xxxEN4-T4S01A20	SOLO® ADSS Short-Span, Loose Tube, Gel-Filled Cable, single-mode (OS2), 12-144 F
xxxEN4-T4M01A20	SOLO ADSS Medium-Span, Loose Tube, Gel-Filled Cable, single-mode (OS2), 12-144 F
xxxEAE-T4x01A20*	SOLO ADSS Loose Tube, Gel-Filled, Dual-Jacket Cable, single-mode (OS2), 2-288 F

*\*Corning's proprietary binderless FastAccess® technology refers to the combination of a Corning FastAccess technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and waterblocking tapes.*

*Note: xxx = fiber count. Use 012-096 for fiber counts smaller than 144. Example: 012EN4-T4M01A20 for 12 fibers.*

*\*Contact Corning Customer Care for the span code.*

BLUE 1

ORANGE 2

GREEN 3

BROWN 4

SLATE 5

WHITE 6

RED 7

BLACK 8

YELLOW 9

VIOLET 10

ROSE 11

AQUA 12

# Optical Cables and Closures

## Indoor/Outdoor Cables

### FREEDM® Loose Tube Cables

xxxEUF-T4101D20	FREEDM® Loose Tube, Gel-Free Cable, riser, single-mode (OS2), 12-288 F
xxxEWP-T4101D20	FREEDM Loose Tube, Gel-Free Cable, plenum, single-mode (OS2), 12-72 F
xxxEUF-T4101DA1	FREEDM Loose Tube, Gel-Free, Interlocking Armored Cable, riser, single-mode (OS2), 12-288 F
xxxEWP-T4101DA3	FREEDM Loose Tube, Gel-Free, Interlocking Armored Cable, plenum, single-mode (OS2), 12-72 F

### FREEDM Ribbon Cables

xxxECF-14101-20	FREEDM Ribbon, Gel-Filled Cable, riser, single-mode (OS2), 12-432 F
xxxECF-14101-A1	FREEDM Ribbon Interlocking Armored, Gel-Filled Cable, riser, single-mode (OS2), 12-432 F
xxxEVF-14101-20	FREEDM UltraRibbon™ Gel-Filled Cable, riser, single-mode (OS2), 504-864 F
xxxEVF-14101-A1	FREEDM UltraRibbon Interlocking Armored Gel-Filled Cable, riser, single-mode (OS2), 504-864 F

### Drop Cables

001UB4-14101-F9	SST-Drop™ Indoor/Outdoor, Gel-Free Cable, dielectric, bend-insensitive single-mode (OS2), 1 F
001UB1-14101-F9	SST-Drop Indoor/Outdoor, Gel-Free Cable, toneable, bend-insensitive single-mode (OS2), 1 F
001U3F-A9403-29	Corning® ClearCurve® Rugged Drop, Tight-Buffered Cable, single-mode (OS2), 1 F

## Indoor Cables

### MIC® Tight-Buffered Cables

xxxE81-33131-24	MIC® Tight-Buffered Cable, riser, single-mode (OS2), 2-24 F
xxxE81-33131-A1	MIC Tight-Buffered, Interlocking Armored Cable, riser, single-mode (OS2), 2-24 F
xxxE88-33131-29	MIC Tight-Buffered Cable, plenum, single-mode (OS2), 2-24 F
xxxE88-33131-A3	MIC Tight-Buffered, Interlocking Armored Cable, plenum, single-mode (OS2), 2-24 F

### Ribbon Cables

xxxEC7-14101-20	Ribbon Cable, riser, single-mode (OS2), 12-216 F
xxxEC7-14101-A1	Ribbon Interlocking Armored Cable, riser, single-mode (OS2), 12-216 F
xxxEC8-14101-20	Ribbon Cable, plenum, single-mode (OS2), 12-216 F
xxxEC8-14101-A3	Ribbon Interlocking Armored Cable, plenum, single-mode (OS2), 12-216 F

### ClearCurve Drop Cable

001U21-31131-29	ClearCurve Compact Drop, Tight-Buffered Cable, single-mode (OS2), 1 F
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Note: xxx = fiber count. Use 012-096 for fiber counts smaller than 144. Example: 012EN4-T4M01A20 for 12 fibers.  
More part numbers exist for each family. Please contact Corning Customer Care at 800-743-2671 for additional part numbers.

# Optical Cables and Closures

Closures	
SLiC® Closures	
SLFC-533-N-SP-0X	Fiber Aerial Closure 533 with no tray
SLFC-533-N-SP-TS-1A	Fiber Aerial Closure 533 for standard/taut sheath, one fiber optic splice tray 2527
SLFC-733-SP-0X	Fiber Aerial Closure 733 with no tray
SLFC-733-SP-1A	Fiber Aerial Closure 733 one fiber optic splice tray 2527
Accessories for SLiC Closures	
2527	Fiber optic splice tray, compatible with 24 single fusion or 144 mass fusion splices
SLIC-AC-HB2	Extended hanger bracket
SLIC-ES/5TC/E	Rubber end seal, three port, 5-in, version E
SLIC-ES/7TC/E	Rubber end seal, three port, 7-in, version E
2178 Closures	
2178-XSB-EG-1T-6PGA	Fiber Optic Splice Case 2178-XSB, 48 single fusion/288 mass fusion capacity, with one fiber optic splice tray 2532
2178-LS/4-LUG	Fiber Optic Splice Case 2178-LS, 288 single fusion/864 mass fusion capacity with four cable entry kits and four ground lugs
2178-S-2172	Fiber Optic Splice Case 2178-S, 96 single fusion/288 mass fusion capacity
2178-XL	Fiber Optic Splice Case 2178-XL, 576 single fusion, 1728 mass fusion, 3456 ribbon capacity
2178-XL-8G	Fiber Optic Splice Case 2178-XL, 576 single fusion, 1728 mass fusion, 3456 ribbon capacity, includes four cable entry kits and eight ground lugs
Closure Accessories	
2181-LS	Cable addition kit for 3M™ fiber optic splice case 2178-LS series
2181-XL/CAK	Cable addition kit for 3M fiber optic splice case 2178-XL
2181-XB	Cable addition kit for Fiber optic splice case 2178-XSB and 2178-XLB
2543-D-288RF Tray	Fiber Optic Splice Tray, 288 ribbon fiber capacity (expected Q1 2019)
2534-D-96SF tray	Fiber Optic Splice Tray, 96 single fusion capacity (expected Q1 2019)



SLiC Closure



2178 Series Closure



# Optical Cables and Closures

Closures	
Splice Closures	
SCA-9T24-LRS	SCA-9T Aerial Terminal, 24 in, left and right standard end caps (eight drops each)
SCA-9T34-LRS	SCA-9T Aerial Terminal, 34 in, left and right standard end caps (eight drops each)
SCG-8C18-01	Splice Closure Fiber with gel-sealed end cap, six ports, 8-in diameter x 18-in length
SCF-ST-077	Splice Tray, 48 single-fiber or 12 II-fusion heat-shrink fusion splices, type 4S
2806031-01	Heat-Shrink Fusion Splice Protector Parts, single fiber, 60-mm long, package of 50
SCF-6C22-01-72	Splice Closure Fiber (SCF), preloaded with splice trays, 72 single-fiber splice capacity, 6-in diameter, 22-in dome length
SCF-6C28-01-144	Splice Closure Fiber (SCF), preloaded with splice trays, 144 single-fiber splice capacity, 6-in diameter, 28-in dome length
SCF-4C18-01	Splice Closure Fiber (SCF), 96 single-fiber splice capacity, 4-in diameter, 18-in dome length
UCAO-05-24	UCAO Splice Closure, five tray shelves with two UCAO-ST-02 splice trays



SCF 6 Closure



SCA Series Aerial Closure



UCAO Series Splice Closure

# Legacy Copper

## Connect to Simplified Migration

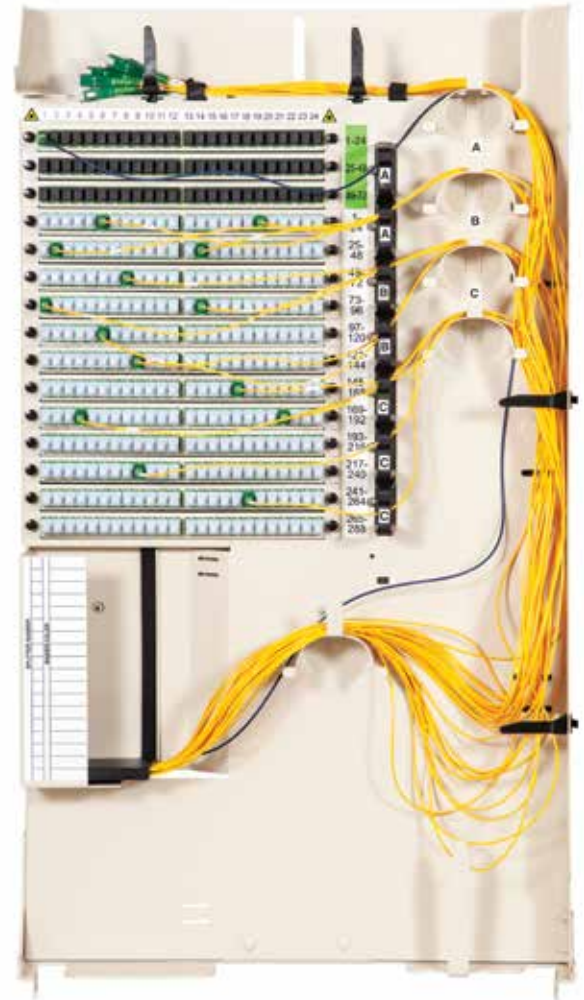
When subscriber density or the funds available for investment do not justify a complete fiber overbuild, your existing copper twisted pair infrastructure can still deliver triple-play service. Your long-term plans may include an all-fiber infrastructure, but for now if it makes sense to gradually upgrade your existing copper network, and we can help. We have the products and services you need to migrate your network toward next-generation optical solutions that will meet your customers' high-capacity bandwidth demands.

# Connect to your existing infrastructure

## Retrofit Fiber Panel

Adding capacity in an existing infrastructure is one way to quickly provide higher quality and more reliable service. Our traditional copper cross-connect cabinets can be retrofitted for fiber, enabling you to migrate to fiber at your own pace. Fiber frames are an innovative approach to balance sustainability, aesthetics, and deployment speed by using existing copper cross-connect cabinet infrastructure and converting them to high-density local convergence points.

For more information about our cross-connect cabinets, visit [corning.com/core/retrofitpanel](https://corning.com/core/retrofitpanel)



# Legacy Copper

- 1

### Copper Splicing

  - Discrete Connectors
  - Modular Connectors
- 2

### Copper Closures and Terminals

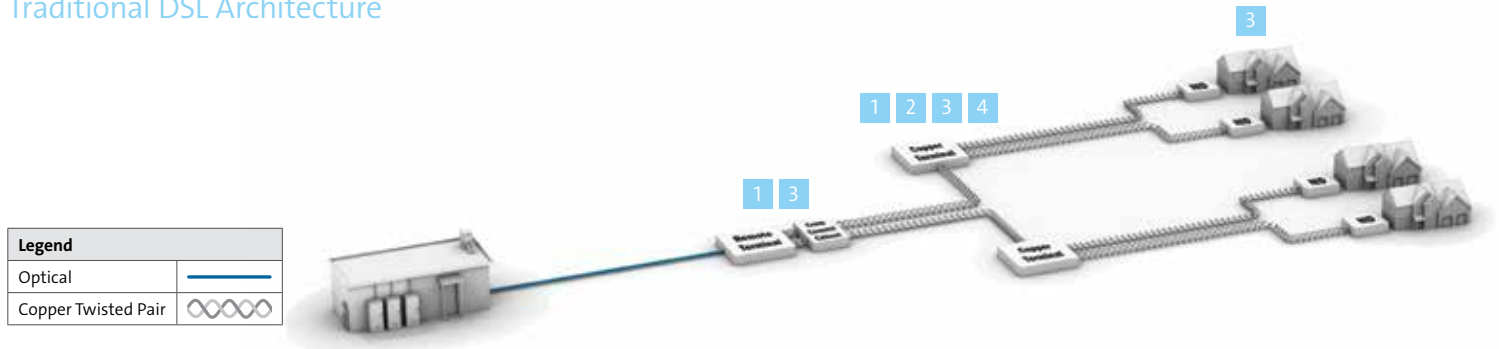
  - SLiC® Aerial Closures
  - SLiC Terminals
  - 2-Type Closures
  - Copper Buried Closures
- 3

### Cabinets

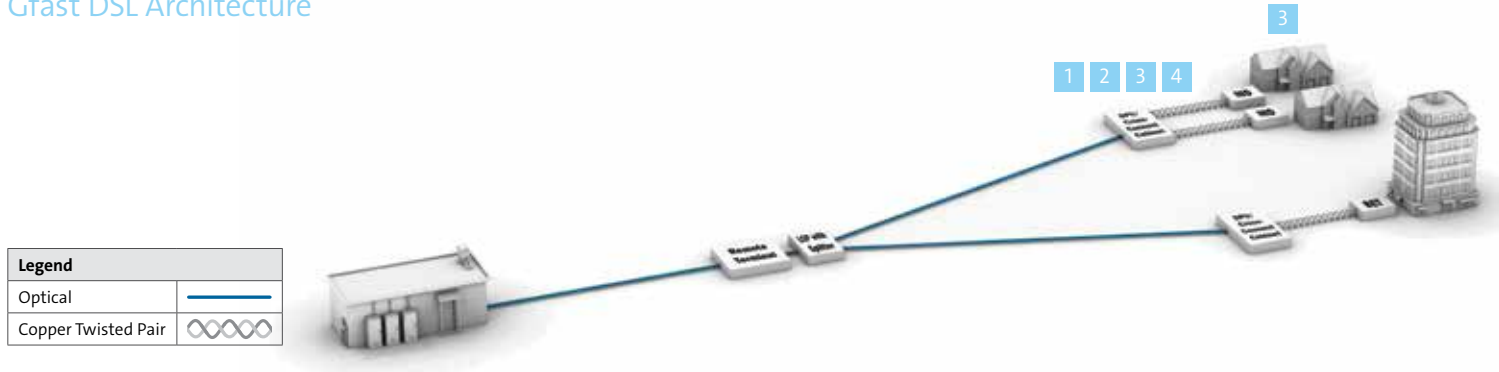
  - Copper Cross-Connect Cabinets
  - Building Entrance Terminals and NIDs
  - QCS Blocks
- 4

### Accessories

## Traditional DSL Architecture



## Gfast DSL Architecture



# Legacy Copper

1	
Discrete Connectors	
UY2 (BULK)	26-19 AWG Butt Connector, 2 conductor, bulk packaging
UR2 (BX)	26-19 AWG Butt Connector, 2 or 3 conductor
Modular Connectors	
3M710-SC1-25	710 Splicing Module, full skirt body, standard index strip, gelled, 26-24 AWG (gel)
4005-GBM/TR	MS <sup>2</sup> Splicing Module 4005-GBM/TR Super Mate Bridging Module (gel)

3	
Copper Cross-Connect Cabinets	
4220VG-QCSHC/3600-3600/20GBM-A	Pad Mount Cabinet 4220VG, 3600 pair max, 3600 pair loaded with Quick Connect System (QCS) 2810 Blocks, terminated with MS <sup>2</sup> Module
4220SVC-QCS/600-600/48GBM-A	Cabinet for Midspan Applications, 600 pair max, 600 pair loaded with QCS 2810 Blocks, terminated with MS <sup>2</sup> Module
4230LTXP-QCSHC/9000-1800-62T-A	Pad Mount Expansion Cabinet 4230LTXP, 9000 pair max, 1800 pair loaded with QCS 2810 Blocks, terminated with 710 Module

Building Entrance Terminals	
4588IPT-QCSHCP1/50-50/24SD-A	Integrated Protection Terminal (wide housing) 50 pair max, 50 pair loaded with Quick Connect System (QCS) 2814 Blocks, terminated with 710 Module
4688IPT-QCS/100-50/24T-A	Integrated Protection Terminal 50 pair max, 50 pair loaded with QCS 2814 Blocks, RJ21 connectors, terminated with 710 Module
4788IPT-QCS/100/100/100/24T-A	Integrated Protection Terminal (wide housing) 100 pair max, 100 pair loaded with QCS 2814 Blocks, terminated with 710 Module
4990IPT-QCS/100-50/24GBM-A	Indoor/Outdoor Integrated Protection Terminals 4990IPT, 100 pair max, 50 pair loaded with QCS 2814 Blocks, terminated with MS <sup>2</sup> Module

Blocks (QCS)	
2810F50-HCO/48-GBM	Quick Connect System (QCS) 2810, 50 pair, Block Assembly, terminated with MS <sup>2</sup> Module
2811F100-100-30P	QCS Frame, 100 pair, QCS 2811B Blocks
2814XPH-QCSHC/50/24GBM	QCS 2814 50 pair Expansion Harness (pair 1-50) with gelled protectors
2810F76-REHAB100-HCO/62-TTC	QCS 2810 100 pair Block Assembly, terminated with 710 Module

2	
SLiC® Aerial Closures	
SLiC 5.6X33-BA/SES-N	SLiC Aerial Closure, 5.6 x 33 in, with floating bond and spiral end seal
SLiC 2.6X29 N-RES	SLiC Aerial Closure, 2.6 x 29 in, with rubber endseal
SLiC 3.6X33-RES-N	SLiC Aerial Closure, 3.6 x 33 in, with rubber end seal
SLiC Terminals	
328-MTPI-TR/RES	SLiC Aerial Terminal 328 (empty) with rubber end seal
328-PI-10-TR/RES	SLiC Aerial Terminal 328 with 10 pair ATS/TR block and rubber end seal
328-PI-25-TR/RES	SLiC Aerial Terminal 530 with 25 pair ATS/TR block with rubber end seal
530-MTPI-TR/SES	SLiC Aerial Terminal 530 (empty) with spiral end seal

2-Type Closures	
51AA3P-510	51P Series Sealed Closure Kit
2C2A-505	2-Type Series Sealed Closure Size C Cover
2A2A-505	2-Type Series Sealed Closure Size A Cover
2D2-2E-505	2-Type Series Sealed Closure Size D, two port
Copper Buried Closures	
8983-8882	Buried Closure 8983 with High Gel 8882
BB3x24-8882	Better Buried Closure, 3 x 24 in, with High Gel Encapsulant 8882
FSC3X19/CC-W/O-HIGHGEL	Foam-Sealed Buried Closure, 3 x 19 in

4	
Accessories	
3900-A	Aerial Service Wire Kit, 2 pair
4407-D	Hard encapsulant 4407, Size D, 675 grams
8882-1500/F	Re-Enterable encapsulant 8882, 1500 grams
2183 (4"X100')	E-Z Wrap 2183, 4-in x 100-ft
25T-BBE3 (1/2" X25')	Shield Bond braid with eyelets, 3 in
4460-D	Shield Bond connector 4460-D
4462-SN	Shield Bond connector 4462-SN
4560-5	Armorcast structural material, 5 ft
88T-0.75X60	Vinyl tape 88T, 0.75-in x 60-ft
88T-1.5X44	Vinyl tape 88T, 1.5-in x 44-ft
4413-L	Filled cable cleaning kit
3832	Buried service wire kit
4416	Duct sealing kit
4530	Pressure blocking closure kit



# Hybrid Fiber Coax

## Connect to Choices

In hybrid fiber coax (HFC), the connectivity choices you make can dramatically impact your network's bottom line starting on day one. Our support in the cable TV segment acknowledges the array of architectures, considers that each deployment presents its own challenges and opportunities, and addresses the operator's needs through a portfolio of products and engineering support designed specifically for MSO.



# Merging form and function

## LCPE with Splice Capabilities

Our new fully integrated local convergence point enclosure (LCPE) combines optical power splitting, muxing, and splice capabilities into one space-saving unit for converged and deep optical networks.

By integrating all aspects of the LCP into a single, sealed unit, space requirements are reduced, thereby saving time and money beyond what is possible with common closure-style units available today.

Visit [corning.com/core/lcpe](https://corning.com/core/lcpe) to learn more about our new solution.



# Hybrid Fiber Coax

## 1 Headend

- Centrix™ System
- Eclipse® Hardware

## 2 Local Convergence Point

- 2178 Closure
- UCA Series Sealed Closure
- LCPE with Splice

## 3 Node

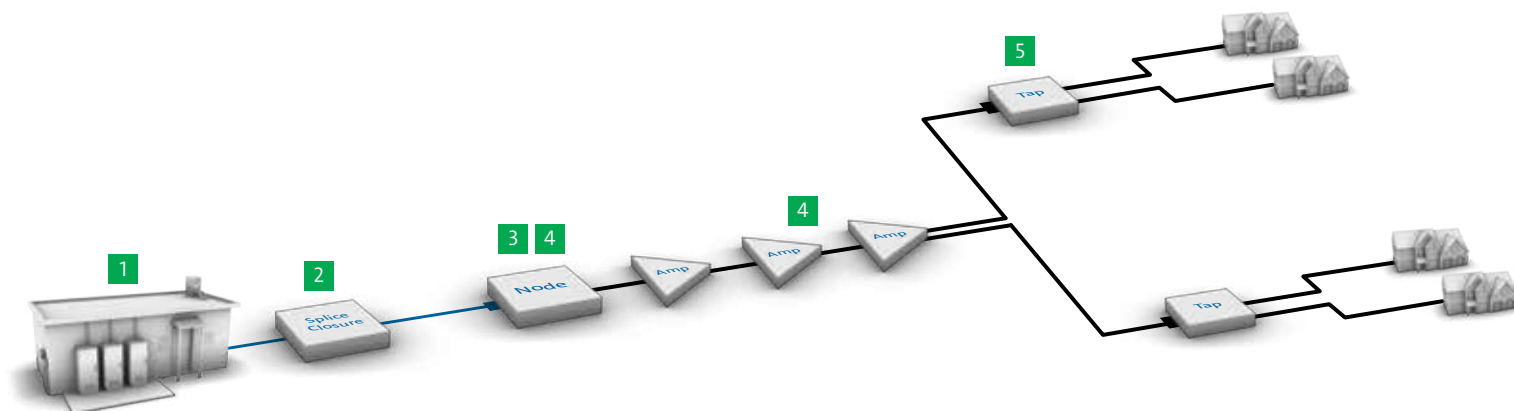
- CATV Node Assembly

## 4 Fiber Feeder and Distribution

- GRS Three-Piece Series Connectors
- G2 Two-Piece Series Connectors

## 5 RF Tap Point

- Series 6 Connectors
- Series 11 Connectors



Legend	
Optical	
Copper	

# Hybrid Fiber Coax

1	
Headend	
CTX-E4U	Centrix™ Enclosed 4U Housing
ECL-C4U	Four Rack Units, holds 12 Eclipse® connector panels
CA16C01TZZUN	Eclipse Single-Wide Module with (1) CWDM device, 1310, 1490, 1550, 1610
GF-SFC-6-PL	F-Male Connectors, compression type to cable, fits Series 6 plenum cables, hex nut
GA-BNC-UR-6-PL	BNC-Male Connectors, compression type to cable, fits Series 6 plenum cables

2	
Local Convergence Point	
2178-XL	Fiber Optic Splice Closure 2178 XL
UCAO-05-24	UCAO Splice Closure with five tray shelves, and with two UCAO-ST-02 splice trays
EDBS00BBS00BBS00P	LCP Enclosure (LCPE), loose tube 144 F, splice capability, Preformed Line Products shell

3	
Node	
GRS-625-CH-DU-02-T	Trunk and Distribution Connectors, three-piece pin connector, CommScope® P3 and Times T10, .625 in
G2-625-CH-P3	Trunk and Distribution Connectors, two-piece pin connector, CommScope P3 and Times T10, .625 in
G-KS-KS-MLKG-T	Trunk and Distribution Adapters, housing-to-housing adapter, sealed locking rotational
GP-90-T	Trunk and Distribution Adapter, 90 degree, seizure screw
G-EXT-3-SC-T	Extension Adapter, socket contact, 3-in OAL

4	
Fiber Feeder and Distribution	
CCSV6C6E00-0F0100	ALTOS® Non-Armored Cable, 12 F, single-mode, six LC APC to 6 SC APC, 25-in (2 mm) legs, 100 ft
CESV8C4N00-0F0100	ALTOS Single-Jacket, Single-Armored Cable, 12 F, single-mode, eight LC APC to four nonterminated legs, 25-in (25-mm) legs, 100 ft

5	
RF Tap Point	
GF-EFC-6-SR	Compression Type, fits all Series 6 cables, hex nut with factory-installed sealed ring
GF-SFC-6-SR	F-Male Connector, fits all Series 6 cables, hex nut with factory-installed seal ring
GAF-URS-11-MH-SR	Compression Type, fits all Series 11 cables, dual hex nut, integral pin, factory-installed seal ring

Note: More part numbers exist for each family. Please contact Corning Customer Care at 800-743-2671 for additional part numbers.  
For a more comprehensive MSO product offering, please visit [www.corning.com/catv](http://www.corning.com/catv).



Cable TV Node Assembly



RF Connector



RF Drop Connectors

Corning Optical Communications

Carrier Networks Core Products | CRR-453-AEN | 29



# FTTH – Single-Family Units

## Connect to World-Class FTTH Innovation

Whether your deployment is to an SFU or MDU, you can count on our fiber-to-the-home (FTTH) expertise. With more than 15 years' experience and in excess of 52 million homes passed (21 million homes connected with hardened solutions), we've set the standard for innovative, field-proven FTTH solutions. Our portfolio of products and engineering support is designed to address your specific challenges from speed of deployment, labor and cost considerations, performance requirements, future readiness, and more.

# Fast. Easy. Reliable.

## The Corning® OptiTap® Field-Installable Connector

OptiTap connectors have long been associated with industry-leading deployment speed of fiber. Now, we've taken that proven field-installable connector technology and created the new OptiTap field-installable connector, designed for use in emergency repair situations. When minimizing customer downtime is critical and services need to be restored quickly, expediting the deployment of drops becomes paramount. Our OptiTap field-installable connectors allow for fast, customized repair of active systems, saving cost and time.



OptiTap Field-Installable Connector



OptiTap Field-Installable Toolkit

## Save time and money.

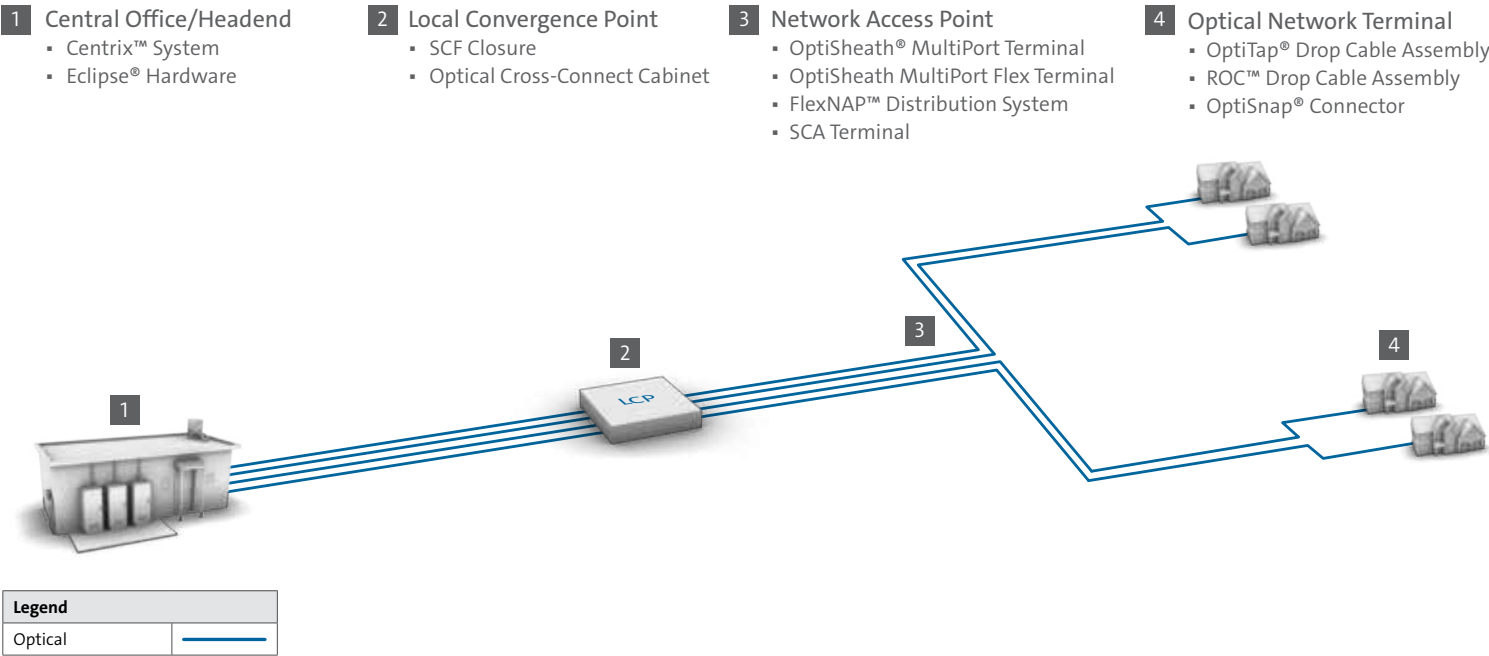
Learn more about [corning.com/core/ofic](http://corning.com/core/ofic).



# FTTH – Network Architecture

Connect to our experience passing over 45 million homes over the most prevalent architectures in all-fiber networks. Whether you're deploying RFoG, GPON, EPON, or looking forward to next-generation PON technologies, we can help you find success with either a home run, centralized split, distributed split – or a blended architecture, whatever is best for your unique environment. As a leader in global FTTH deployments and innovation, whichever deployment scenario you choose, we have a solution that will deliver value that's right for you.

## Home Run





## Centralized Split (Local Convergence)

### 1 Central Office/Headend

- Centrix™ System
- Eclipse® Hardware

### 2 Local Convergence Point


- OptiText® HD Cabinet Series
- OptiText LS Cabinet Series
- OptiText Gen III Cabinet Series
- OptiText Compact LCP Housing
- Local Convergence Point Enclosure

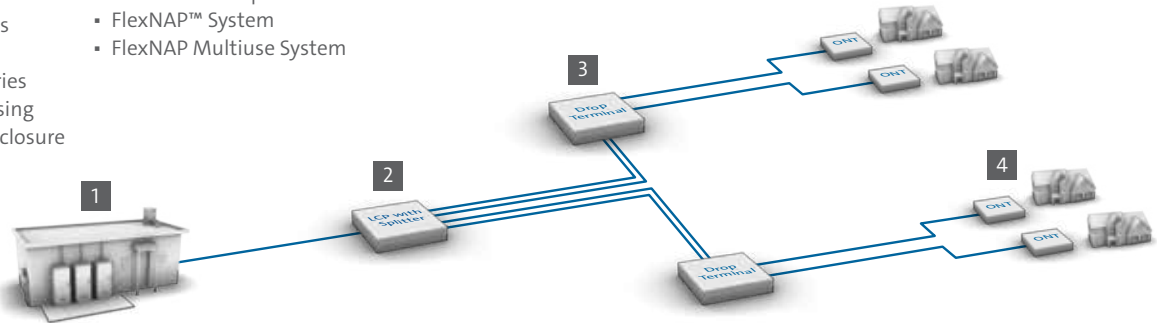
### 3 Network Access Point

- MultiPort Terminal
- MultiPort Flex Terminal
- SCA Terminal
- SCF Gel End-Cap Closure
- FlexNAP™ System
- FlexNAP Multiuse System

### 4 Optical Network Terminal

- OptiTap® Drop Cable Assembly
- ROC™ Drop Cable Assembly
- OptiSnap® Connector

Legend	
Optical	



## Distributed Split

### 1 Central Office/Headend

- Centrix System
- Eclipse Hardware

### 2 Local Convergence Point

- OptiText Compact LCP Housing
- Local Convergence Point Enclosure

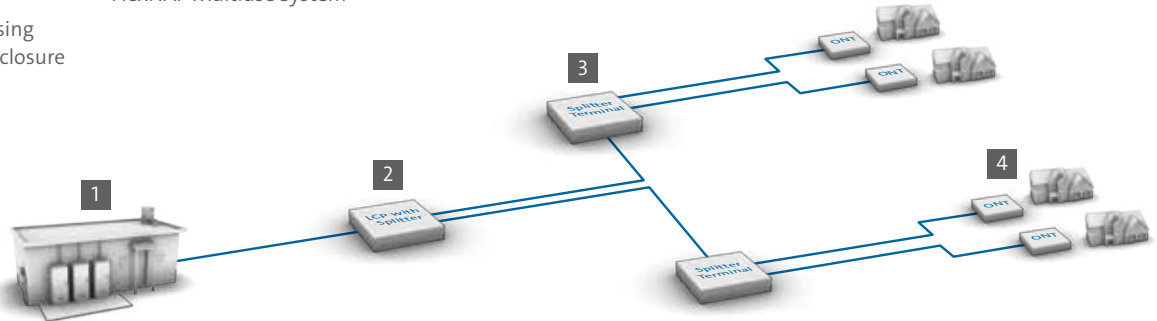
### 3 Network Access Point

- OptiSheath MultiPort Splitter Terminal
- FlexNAP Single-Fiber Tether System
- FlexNAP Multiuse System

### 4 Optical Network Terminal

- OptiTap Drop Cable Assembly
- ROC Drop Cable Assembly
- OptiSnap Connector

Legend	
Optical	



# FTTH – Single-Family Units

1

Central Office/Headend	
ECL-BAY-7	Eclipse® 7-ft Frame with top and bottom shelves, 19-in wide
ECL-C4U	Eclipse Connector Housing, 4U, holds 12 Eclipse connector panels, 144 F capacity maximum
ECL-C4U-E4D9	Eclipse Connector Housing with adapters, 4U, 144 F, SC APC duplex adapters
ECLE46112D9-UF001B	Eclipse Connector Housing with adapters and cable stub, 4U, 144 F, 12 x 12-fiber SC APC duplex panels, 61 m FREEDM® indoor/outdoor cable
UMR1CC6CZ6C21132	Gen III Series FTTx 1x32 Splitter Module, SC APC inputs/outputs
ECL-GEN3-U8-MH4U	Eclipse Hardware Gen III 288-Module Housing with one ECL-C4U, one ECL-CP12-D9, two ECL-CP-SCPARK, nine ECL-UMB-MOD
CTX-SA-FRAME-7	Standard Rear Cable Access Frame, 7 ft
CTX-S4U	Centrix™ Housing, 4U, 12 cassette positions, empty
CTXCPP24-6C-2RH000	Centrix Splice Cassette, 24 SC APC adapters and single-mode pigtails, MIC® 900 µm standard single-mode pigtails
CX4U8P24-6C-2RH000	Centrix Splice Housing, 4U, 288 F, 12 cassettes each with 24 SC APC adapters and single-mode pigtails, MIC 900 µm standard single-mode pigtails

2

Local Convergence Point	
ALCTS000000000000	HD Series, Outdoor Cabinet, 896 F capacity, for LS series splitters and Centrix cassettes
VFAPS77-1UC231UC00	LS Series, Outdoor Cabinet, with 6-in pad mount without toning, 864 F, 72-fiber feeder and 72-fiber pass-through ALTOS® Lite armored cable, two 432-fiber ALTOS Lite armored distribution cable, 31-m stubs, SC APC, no splitter
VEAPS47-1UC231UC00	LS Series, Outdoor Cabinet, with 6-in pad mount without toning, 576 F, 48-fiber feeder and 72-fiber pass-through ALTOS Lite armored cable, two 288-fiber ALTOS Lite armored distribution cable, 31-m stubs, SC APC, no splitter
SCAP431U41E31U4500	Gen III Series Outdoor Cabinet, 288 F, pad mount without toning, 48-fiber ALTOS feeder cable, one 288-fiber ALTOS distribution cable, 31-m stubs, SC APC, no splitter
SDAP131U41C31U4500	Gen III Series Outdoor Cabinet, 144 F, pad mount without toning, 12-fiber ALTOS feeder cable, one 144-fiber ALTOS distribution cable, 31-m stubs, SC APC, no splitter
UMB1CC6CZ6C21132	Gen III Series Splitter Module, 1x32
WMC4CC6CA6C11132	LS Series Splitter Module, 1x32
OCC-080-G	Optical Cross-Connect Cabinet and Kit, 80-in space, pad mount
SCF-6C-28-01	Splice Closure, 288 single-fiber splice capacity, 6-in diameter, 28-in dome length, four drop ports, without splice trays
CAKS10TS1U4216U41E	Compact LCP Housing, 96 F, almond, SC APC, ALTOS loose tube, gel-filled cable, 1x8 splitter, single-mode (OS2), 50 ft
CAMS11TS1U4208U41E	Compact LCP Housing, 72 F, almond, SC APC, ALTOS loose tube, gel-filled cable, 1x8 splitter, single-mode (OS2), 16 ft

Note: More part numbers exist for each family. Please contact Corning Customer Care at 800-743-2671 for additional part numbers or visit [www.corning.com/opcomm](http://www.corning.com/opcomm).



LS Series Splitter Module



LS Series Cabinet



HD Series Cabinet

# FTTH – Single-Family Units

3	
Network Access Point	
MTS-H444NS000MW-P	MultiPort Splitter Stubless Terminal, 1x4 splitter, single-mode
MTS-F844NS000MW-P	MultiPort Splitter Stubless Terminal, 1x8 splitter, single-mode
MOB-yy44FDxxxFW	MultiPort Stubbed Terminal, yy ports (02, 04, 06, 08, 12 available), single-mode (OS2), xxx ft
MTB-yy44FDxxxFW	MultiPort Terminal with OptiTip® jumper, yy ports (02, 04, 06, 08, 12 available), single-mode (OS2), xxx ft
MOB-yy44TDxxxFW	MultiPort Stubbed Terminal, toneable, yy ports (02, 04, 06, 08, 12 available), single-mode (OS2), xxx ft
MTB-yy44TDxxxFW	MultiPort Terminal with OptiTip toneable jumper, yy ports (02, 04, 06, 08, 12 available), single-mode (OS2), xxx ft
MPF-yy48M1R43F-P	MultiPort Flex Terminal, yy ports (04, 08, and 12 available), 4.8-mm Corning® ClearCurve® rugged drop cable, black jacket, individual packaging
MOF-yy48FDxxxFW	MultiPort Flex Stubbed Terminal, dielectric, yy ports (04, 06, 08, and 12 available), single-mode (OS2), xxx ft
MOF-yy48TDxxxFW	MultiPort Flex Stubbed Terminal, toneable, yy ports (04, 06, 08, and 12 available), single-mode (OS2), xxx ft
SLFT-530-D-1A-12-EPAC	Fiber Aerial Terminal Closure with 12 factory-installed Optitap Connectors
SLFT-530-D-1A-06-EPAA	Fiber Aerial Terminal Closure with 6 factory-installed Optitap Connectors
SLFT-547-N-SP-2A-X-0X-00-DSX-NX-X	Fiber Aerial Terminal Closure with 24 drops and fiber optic splice tray 2527, for armored cable
BLD-CCS000xxxxxx	FlexNAP™ System Build ID: configurable cable system with designated network access points factory installed and preterminated

4	
Optical Network Terminal	
434301EB4FDxxxF-P	OptiTap® Single-Tube, Gel-Filled Cable Assembly, 1 F, OptiTap to OptiTap, single-mode (OS2), xxx ft
434301EB1TDxxxF-P	OptiTap Single-Tube, Gel-Filled Cable Assembly, 1 F, OptiTap to OptiTap, toneable, single-mode (OS2), xxx ft
004301EB49RxxxF-P	ROC™ Drop Cable Assembly with FastAccess® technology, 900 μm, 1 F, dielectric, OptiTap SC APC to stub end, individual pack, xxx ft
004301EB19RxxxF-P	ROC Drop Cable Assembly with FastAccess technology, 900 μm, 1 F, toneable, OptiTap SC APC to stub end, single-mode (OS2), individual pack, xxx ft
TKT-OPTISNAP-CF	OptiSnap™ Field-Installable Connector Toolkit, with flat cleaver
OSNP-SCA-250-Z	OptiSnap® Connector, SC APC, 25-piece organizer pack, single-mode (OS2), 250 μm
OSNP-SCA-900-Z	OptiSnap Connector, SC APC, 25-piece organizer pack, single-mode (OS2), 900 μm

Note: yy = port count and xxx = length in ft. More part numbers exist for each family. Please contact Corning Customer Care at 800-743-2671 for additional part numbers or visit [www.corning.com/opcomm](http://www.corning.com/opcomm)

CONNECT TO  
CRAFT-FRIENDLY  
INSTALLATION

Corning Optical Communications



4-Port Multiport Terminal



Fiber Aerial Terminal Closure

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# FTTH – Multidwelling Units

## Connect to World-Class FTTH Innovation

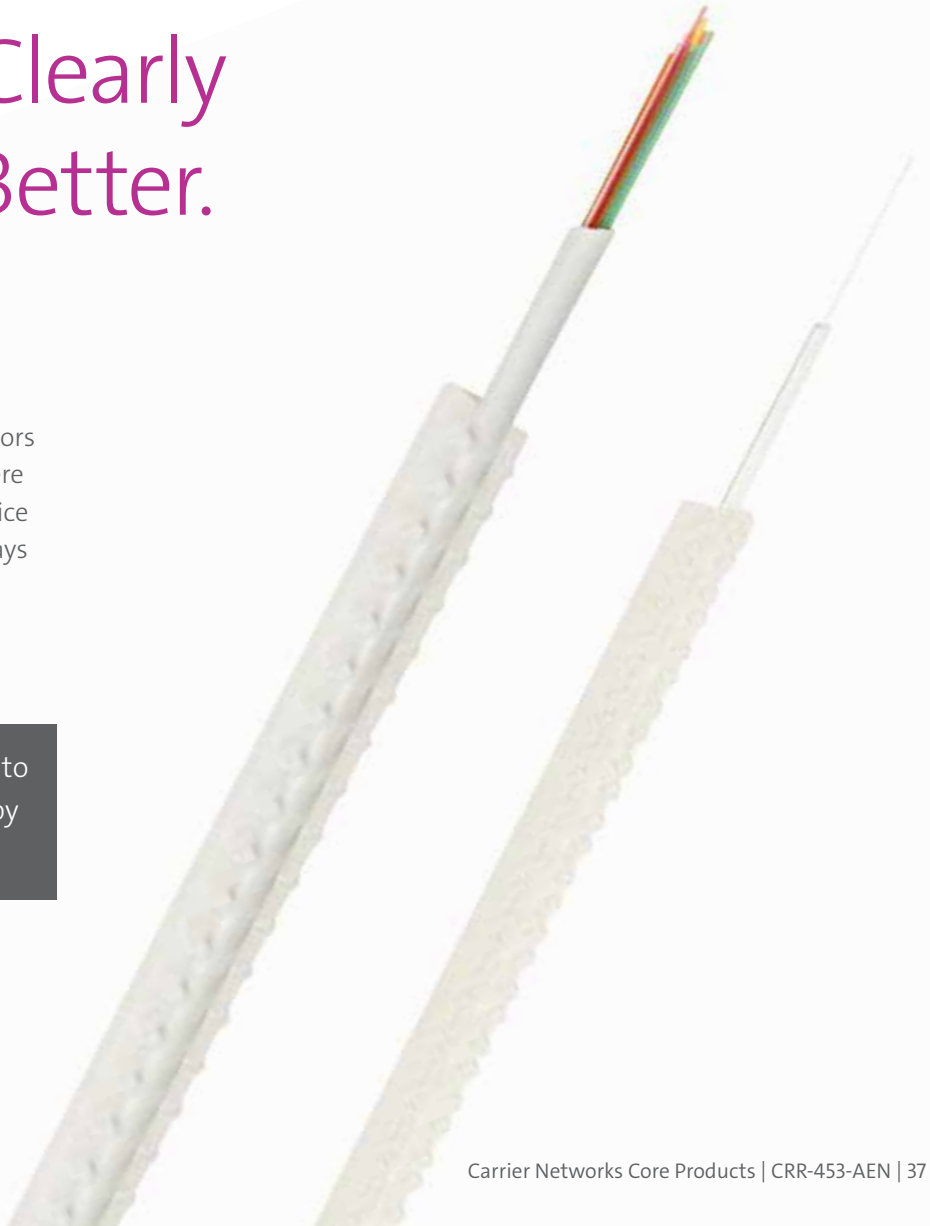
When it comes to multidwelling units (MDUs), there's no one-size-fits-all answer. You need a customized solution and a collaborator with the expertise to simplify your challenges, so you can focus on delivering the services and applications that your subscribers expect. Choose a supplier that knows your environment and has manufacturing expertise that can help you choose flexible, simplified product sets. We can help.

# Clearly Faster. Clearly Easier. Clearly Better.

## Clear Track Hallway Fiber Pathways

The Clear Fiber drop is compatible with the Clear Track system and is ideal for SFU and MDU applications where a clean transition from outdoors – where ruggedness is required – to indoors, where aesthetics are desired, without the need for a splice or connection point. Our Clear Track Fiber Pathways portfolio offers a clear advantage!

Learn more about this virtually invisible way to deliver ultra high-speed Gigabit broadband by visiting **[corning.com/core/cleartrack](https://www.corning.com/core/cleartrack)**.





## FTTH – Multidwelling Units – Network Architecture

Whether you're connecting subscribers through the inside or outside surface of an MDU, we have a solution for the trickiest pathways and access parameters. Below you'll see a sampling of the MDU layouts we have experienced and a few examples of how we've supported them over the past 10-plus years.

### 1 MDU Entrance

- OSP LCP
- Distribution
- Building Entrance

### 2 Riser Access

- RPDPass® Riser
- FlexNAP™ System

### 3 Floor Access

- Low-Profile Terminal
- Fiber Distribution Terminal
- MDU Terminal
- RPDpass Riser Distribution Terminal

### 4 Horizontal Access

- Cable/Pathway
- Point of Entry (POE)

### 5 In-Living Unit (ILU)

- Drops
- Outlets





## FTTH – Multidwelling Units

1	
Outdoor Local Convergence Point	
SDAP231U41C31U4S00	Gen III Series Outdoor Cabinet, 144 F pad-mount, 24 F ALTOS® feeder, 144 F ALTOS distribution, 31 m stubs*
VDAPS20-1U4131U400	LS Series Outdoor Cabinet, 144 F pad-mount, 24 F ALTOS feeder, no pass-through, 144 F ALTOS distribution, 31 m stubs*
UMB1CC6CZ6C21132	Gen III Splitter Module, 1x32
WMC4CC6CA6C11132	LS Splitter Module, 1x32
Distribution	
For more information about our Outside Plant and Indoor/Outdoor Cables, please refer to the Optical Cable section.	
Building Entrance	
JMXP51000BB000BB00	CE Series Indoor Cabinet, 72 F wall-mountable, pigtails and splice chamber for spliced-in feeder and distribution
JCWPS2000BB0007700	CE Series Indoor Cabinet, 288 F wall-mountable, pigtails for spliced-in feeder, MTP®-enabled distribution
JFWPS2000BB0007700	CE Series Indoor Cabinet, 864 F wall-mountable, pigtails for spliced-in feeder, MTP-enabled distribution
DDWPS2100AA108C700	LS Series Indoor Cabinet, 144 F wall-mountable, 24 F feeder and 12 F pass-through pigtails, 144 F ribbon riser distribution 8 m
DAWPS4300AA108Q700	LS Series Indoor Cabinet, 432 F wall-mountable, 48 F feeder and 36 F pass-through pigtails, 432 F ribbon riser distribution 8 m
BDWP131CF1C08C7S00	Gen III Series Indoor Cabinet, 144 F wall-mountable, 12 F I/O ribbon riser feeder 31 m, 144 F ribbon riser distribution 8 m
MDU043126C-UF00A1	MDU Splitter Terminal, 1x32 SC APC, 31m FREEDM® loose tube input 31 m, pigtails for splice-in drops
MDU1231126C-C4CG2P	MDU Terminal, 12 ports SC APC, OSP ribbon input 31 m, pigtails for spliced-in drops
MDU0000126C-00M22Q	MDU Terminal, 12 ports SC APC, OptiTip® pinned input, direct-connect drops
MDU0000126C-AACG2P	MDU Terminal, 12 ports SC-APC, internal pigtails for spliced-in input and spliced-in drops
MDU2431246C-C4CG2P	MDU Terminal, 24 ports SC APC, OSP ribbon input 31 m, pigtails for spliced-in drops
MDU0000246C-AACG2P	MDU Terminal, 24 ports SC APC, pigtails for spliced-in input and spliced-in drops
MDU4831486C-C4CG2P	MDU Terminal, 48 ports SC APC, OSP ribbon input 31 m, pigtails for spliced-in drops
LPT1231126C-B4M12Q	Low-Profile Terminal, 12 ports SC APC, SST-Drop™ with OptiTip input 100 ft, direct-connect drops
MDU-PLAS-SKRT-WH01	MDU Terminal protective plastic skirt, white
LPT-PLAS-SKRT-GR01	LPT Terminal protective plastic skirt, gray
2	
Riser Access	
RRB131312UPNM6SxxxF	RPDpass® Riser, basement (pull up), 12 F MTP at basement, 2x6 F, MTP connectors at terminal, xxx ft
BLD-P8896EV4200FP	FlexNAP™ System, Façade Cable, 96 F, eight 8-fiber taps, 200 ft tail

Note: For bulk cable options, please visit the [optical cable section](#) or [corning.com](#).

## FTTH – Multidwelling Units

3

Floor Access	
LPT1231126C-SF002Q	Low-Profile Terminal, 12 ports SC APC, LST™ I/O input 100 ft, direct-connect drops
FDT1231126CAC700BZ	Fiber Distribution Terminal, 12 ports SC APC, ribbon riser input 100 ft, direct-connect drops
FDT2431246CAC700BZ	Fiber Distribution Terminal, 24 ports SC APC, ribbon riser input 100 ft, direct-connect drops
MDU1231126C-CFCG2Q	MDU Terminal, 12 ports SC APC, I/O ribbon input stub 31 m, direct-connect drops
MDU2431246C-CFCG2Q	MDU Terminal, 24 ports SC APC, I/O ribbon input stub 31 m, direct-connect drops
MDU4831486C-CFCG2Q	MDU Terminal, 48 ports SC APC, I/O ribbon input stub 31 m, direct-connect drops
MDU0000366C-0090MQ	MDU Terminal, 36 ports SC APC, MTP® input, direct-connect drops
RTW-OMP-01	RPDpass® Riser Distribution Terminal Housing, wall-mountable box
RT-CM12-6C-1QC	RPDpass Riser Distribution Module, 12 SC APC adapters and one shuttered MTP connector

4

Horizontal Cable / Pathway	
004401UR4BGxxxF	Corning® ClearCurve® Drop Assembly, pigtail to SC APC, 1 F, 4.8-mm rugged riser, neutral jacket, xxx ft
444401UR4BGxxF	ClearCurve Drop Assembly, SC APC to SC APC, 4.8-mm rugged riser, neutral jacket, xxx ft
004401UR1BGxxxF	ClearCurve Drop Assembly, pigtail to SC APC, 1 F, 2.9-mm compact riser neutral jacket, xxx ft
444401UR1BGxxxF	ClearCurve Drop Assembly, SC APC to SC APC, 1 F, 2.9-mm compact riser, neutral jacket, xxx ft
RHN770006U6RBSxxxF	RPDpass Drop Assembly, pinned MTP connectors, 6 F, plenum, blue through white fibers, xxx ft
RHN770012U6RCSxxxF	RPDpass Drop Assembly, pinned MTP connectors, 12 F, plenum, blue through aqua fibers, xxx ft
001U2F-D0192-B2	ClearCurve 4.8 mm Rugged Drop, 1 F, I/O neutral jacket, 1,000 ft reel in a box
001U2F-D0668-B3	ClearCurve 2.9 mm Compact Drop, 1 F, I/O neutral jacket, 1,500 ft reel in a box
CLR-DRP-2500-01-000-BL	Clear Fiber Drop Cable, 1 F, I/O black jacket, 2500 ft
CLR-DRP-xxx-01-SCA2-BL	Clear Fiber Drop Assembly, pigtail to SC APC, 1 F, I/O black jacket; available in 25 ft, 50 ft, 75 ft, and 100 ft
CLR-TRK-HALL1-125-18	Clear Track Hallway Fiber Pathway, 125 ft
CLR-HALLM-750-12F-000-000-W	Clear Track Hallway Micro-Module, 12 F, white jacket, 750 ft
CLR-HALLM-xxx-12F-SCA-000-W	Clear Track Hallway, Micro-Module, SC APC, 12 F; available in 150 ft, 300 ft and 600 ft
CLR-TRK-CVR	Clear Track Clear Cover, 1000 ft.
CLR-TOOL	Clear Track Fiber Installation Tool
CLR-DRP-PUSH-100	Clear Drop Push Tube (Clear)
CLR-BELT-CLIP-32	Belt Clip Spool Holder
Point of Entry	
CLR-SMALL-POE-250UM-SCA-WH	Clear Track Hallway Small Point Of Entry Box
CLR-POE-60	Clear Track Micro POE Wall Cover

# FTTH – Multidwelling Units

5	
In-Living Unit (ILU) Drop	
001U21-A9374-B2	ClearCurve 4.8-mm Rugged Drop 1 F, riser neutral jacket, 1000 ft Reel in a Box
001U21-A9375-B2	ClearCurve 2.9-mm Compact Drop, 1 F riser neutral jacket, 1000 ft Reel in a Box
004401UR1BGxxxF	ClearCurve Drop Assembly, pigtail to SC APC, 1 F, 2.9-mm compact riser, neutral jacket, xxx ft
444401UR1BGxxxF	ClearCurve Drop Assembly, SC APC to SC APC, 1 F, 2.9-mm compact riser, neutral jacket, xxx ft
CLR-TRK-205-01-000	Clear Track Fiber Pathway, 205 ft
CLR-FBR-1KM-01-000	Clear Track 900 µm Clear Fiber, 1000-km spool
CLR-FBR-600-01-000	Clear Track 900 µm Clear Fiber, 600 ft; packaged in a box of 8 spools
Outlets	
SWT4-1-6W000-S0001	Small Wall Terminal, one SC APC adapter, ivory color
SWT4-0-00000-S000W	Small Wall Terminal, white, empty, no splice tray
WLL-PL-AA	Wall-Plate Outlet, single gang, white, one-port
WLL-PL-AB	Wall-Plate Outlet, single gang, white, two-ports
CLR-WPT-01-SCASH-WH	Low-profile Wall Plate with SC APC Shuttered Adapter
CLR-PCD-SCASH-xM	Shuttered SC Patch Cord; available in 1, 2, 3, and 4.5 m
6	
Field-Installable Connector	
TKT-OPTISNAP-CF	OptiSnap™ Field-Installable Connector Toolkit, with flat cleaver
OSNP-SCA-250-Z	OptiSnap® Connector, SC APC, 25-piece organizer pack, single-mode (OS2), 250 µm
OSNP-SCA-900-Z	OptiSnap Connector, SC APC, 25-piece organizer pack, single-mode (OS2), 900 µm

# FIBER TO THE PEOPLE

Solutions for subscriber interiors include Corning® ClearCurve® invisible drop cable. This translucent design is easily attached to a variety of wall surfaces and is available with an array of preconnectorization options.



Low-Profile Wall Plate



Reel-in-a-Box



OptiSnap™ Field-Installable Connector Toolkit

# Programs and Resources

You know your network – and the importance of its reliability – better than anyone. That's why we offer tailored support and resources to help you get the job done right the first time, every time. From design to deployment (and everything in between), you can count on Corning to expand your expertise and cost-effectively transform your network. For more information, check out our programs page at [corning.com/loyalty-programs](https://corning.com/loyalty-programs).

# See the Light® Fiber Optic Training

So you can be successful in this time of rapid network transformation, we offer an array of training opportunities on the latest applications and products. For the most up-to-date industry knowledge – whether training in-person or at your desk – we have you covered. Visit [corning.com/opcomm/stl](http://corning.com/opcomm/stl).

## Webinar Series

Stay current with the See the Light® webinar series, our monthly offering focused on specific topics impacting networks today. Participate in these one-hour live webinars to connect in real-time with Corning experts, or catch up on the webinar recordings at your convenience. Visit [corning.com/opcomm/webinars](http://corning.com/opcomm/webinars).

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If it's classroom training that you feel is most valuable, our instructor-led courses are for you. We cover product and solution introductions, in-depth installation training, and network design and specification. These classes range from two hours to multiday hands-on sessions, each led by experts who understand the needs of industry professionals. To view our hands-on seminar schedule visit [corning.com/opcomm/seminars](http://corning.com/opcomm/seminars). To view our multiday design and installation training courses, visit [corning.com/opcomm/designandinstall](http://corning.com/opcomm/designandinstall).

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We understand that classroom training is not always an option. To make learning opportunities available when and where you need them you can access See the Light Learning Central, our on-demand learning platform. To gain access to See the Light Learning Central, email [stlinfo@corning.com](mailto:stlinfo@corning.com).

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# Technical Support

Your customers and users expect reliable connectivity, and we know it takes more than products to deliver on those expectations. From us, you can expect collaborative global support for your network today to prepare it for emerging applications and services.

Connect with our network professionals at any phase of your project to take advantage of their training, experience, and equipment for a cost-effective, high-quality result. Our experts offer design and training services, technical assistance, and customer support resources.

You may be entering new territory – installing fiber in the horizontal or deploying a converged, all-optical infrastructure – but your application is something we've done before. And if it's a data center you're supporting, let's talk about how we can find more value in your given footprint.



## WE CAN HELP.

[www.corning.com/professional-services](http://www.corning.com/professional-services)



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**EVERY TIME!**

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Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 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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