

# CORNING

## hot products guide



people. passion. expertise.



[gocsc.com](http://gocsc.com)



## who is CSC?

Founded in 1972, Communications Supply Corporation (CSC), a subsidiary of WESCO International, Inc. (NYSE: WCC) distributes a full range of IP infrastructure and security products and solutions. Together, CSC and WESCO form the largest electrical and data communications network in North America, with 380 full-service branches, a full suite of global distribution capabilities, and annual sales of over \$6 billion.

With vast resources at their fingertips, the CSC sales team does more than just provide product. Our tenured sales force has a passionate commitment to understanding your unique business needs and will strive every day to get you the best products, the most robust technical expertise, and the most cost-effective logistics solutions available in the data communications distribution business.



## why CSC?

it's simple. our people, passion, and expertise.

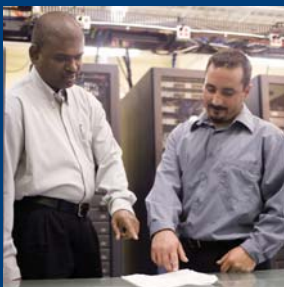
That's why customers choose CSC. They know our team will do whatever it takes to make them successful each and every day. They value the passion we put into everything we do, and realize — when their jobs are on the line — we'll be there with the answers they need. They view us as their trusted advisor, who can help them make the transition from legacy infrastructure technologies to state-of-the-art IP solutions. It's really that simple. More and more companies turn to CSC because of our people, passion, and expertise.

## services



CSC's distribution services help customers increase productivity and reduce costs by identifying and deploying services based on their specific project requirements. CSC offers an extensive range of services to fit your needs, including:

- 24/7 Customer Service and Support
- eBusiness Solutions
- Rapid Return Program
- Expedited Product Sourcing
- Feed-the-Job Delivery
- Project Staging
- Kitting and Labeling
- Strategic Sourcing and Supplier Selection
- Flexible Financing
- Technology Training and Education
- Custom and Consolidated Reporting
- Job Trailers
- Energy and Power Audits
- Recycling Services
- Integrated Supply
- Real-Time National Network
- Cut-to-Length Cabling Services



## solutions

CSC distributes a wide range of products to support commercial, residential, and government customer applications, including:

- Network Cabling and Connectivity
- Network Cabinets and Racks
- Data Center Products and Solutions
- Networking Electronics and Wireless
- Low-Voltage Cabling
- Security Solutions
  - Sound and Paging
  - Video Surveillance
  - Notification
  - Professional Audio/Visual
  - Access Control
- Power, Cooling and Monitoring
- Power over Ethernet
- Test Equipment
- Outside Plant Solutions
- Smart Grid Solutions
- FTTx (fiber to the home or business)



people, passion,  
AND expertise.



# hot products guide

## Corning Cable Systems overview

Corning Cable Systems, founded in 1977, is a leading manufacturer of fiber optic cables and accessories for voice, data and video communications applications. Headquartered in Hickory, North Carolina, Corning Cable Systems is owned by Corning Incorporated, headquartered in Corning, New York.

### more solutions...

Corning Cable Systems LANscape Solutions are a complete approach to fiber cabling solutions for private networks. More than a catalog of components or individual building blocks, LANscape Solutions include a comprehensive set of integrated products, services and support created to ensure the successful and efficient implementation of a fiber network that will serve as a stable communications infrastructure for many years to come.

Corning Cable Systems LANscape Solutions includes both a complete tip-to-tip product offering and design-through-operation services to ensure an easy fiber cabling solution implementation.

Corning Cable Systems maintains its commitment to customers and products through many customer support programs: specifically the LANscape Solutions Network of Preferred Installers (NPI) Program and the LANscape Solutions Consultant LinkUp<sup>SM</sup> Program. If the system is installed by a certified member company of the NPI Program, Corning Cable Systems warrants LANscape Fiber Optic Cabling Solutions for a full 25 years. The Consultant LinkUp Program provides information on Corning Cable Systems cabled fiber solutions and industry information to top-level consultants and designers nationwide.

### applications

- Campus Backbone Solutions
- Building Backbone Solutions
- LANscape Pretium<sup>®</sup> Solutions for Data Center and Storage Area Networks (SANs)
- LANscape Pretium Evolved-Density, Growth-Enabled (EDGE) Solutions
- LANscape Solutions for the Federal Government
- LANscape Solutions for Industrial Applications
- LANscape Solutions for Intelligent Traffic Solutions
- LANscape Solutions for Security Applications
- LANscape Solutions for Health Care Services

With all the challenges of building and maintaining an information infrastructure today, allow Corning Cable Systems and CSC to help you make fiber cabling easy.

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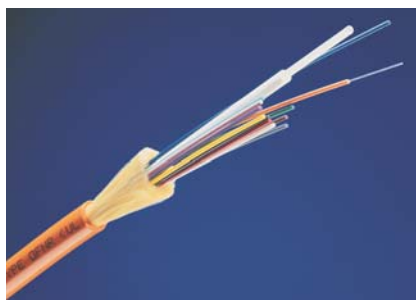


## CORNING

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### TIGHT BUFFERED, INDOOR

#### MIC® Riser & Plenum 2–24 Fiber



##### Applications

- Intra-building backbone and horizontal installations in riser or plenum applications

##### Features/Benefits

- Utilizes 900 µm TBII® Buffered Fibers, enabling easy, consistent stripping
- Available with interlocking armor, enables easy one-step installation of protected cable
- Listed OFNR and FT-4 or OFNP and FT-6
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance
- Small diameter and bend radii enable easy installation in space-constrained areas

##### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
463990	006K81-31130-24	6-Fiber, Riser, 62.5/125 MM
463991	006K88-31130-29	6-Fiber, Plenum, 62.5/125 MM
467130	012K81-33130-24	12-Fiber, Riser, 62.5/125 MM
461236	012K88-33130-29	12-Fiber, Plenum, 62.5/125 MM
467133	024K81-33130-24	24-Fiber, Riser, 62.5/125 MM
461243	024K88-33130-29	24-Fiber, Plenum, 62.5/125 MM
855346	006T81-31131-24	6-Fiber, Riser, 50/125 MM
855367	006T88-31131-29	6-Fiber, Plenum, 50/125 MM
855348	012T81-33131-24	12-Fiber, Riser, 50/125 MM
855373	012T88-33131-29	12-Fiber, Plenum, 50/125 MM
855355	024T81-33131-24	24-Fiber, Riser, 50/125 MM
855378	024T88-33131-29	24-Fiber, Plenum, 50/125 MM
712128	006E81-31131-24	6-Fiber, Riser, 8.3/125 SM
712132	006E88-31131-29	6-Fiber, Plenum, 8.3/125 SM
712129	012E81-33131-24	12-Fiber, Riser, 8.3/125 SM
712133	012E88-33131-29	12-Fiber, Plenum, 8.3/125 SM
712130	024E81-33131-24	24-Fiber, Riser, 8.3/125 SM
712134	024E88-33131-29	24-Fiber, Plenum, 8.3/125 SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

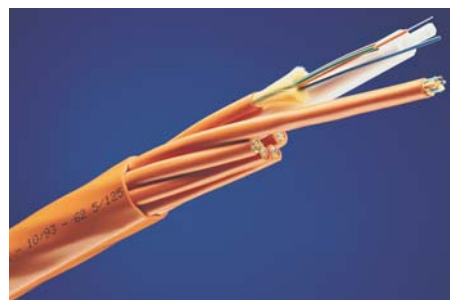
##### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600*/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

#### MIC® Unitized Riser & Plenum 36–144 Fiber



##### Applications

- Intra-building backbone installations in riser or plenum applications

##### Features/Benefits

- Utilizes 900 µm TBII® Buffered Fibers, enabling easy, consistent stripping
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance
- Listed OFNR and FT-4 or OFNP and FT-6
- Available with interlocking armor, enables easy one-step installation of protected cable

##### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
422662	036K81-61130-24	36-Fiber, Riser, 62.5/125 MM
865057	036K81-61130-29	36-Fiber, Plenum, 62.5/125 MM
471829	048K81-61130-24	48-Fiber, Riser, 62.5/125 MM
498036	048K88-61130-29	48-Fiber, Plenum, 62.5/125 MM
580918	072K81-T3130-24	72-Fiber, Riser, 62.5/125 MM
548070	072K88-T3130-29	72-Fiber, Plenum, 62.5/125 MM
733396	144K81-T3130-24	144-Fiber, Riser, 62.5/125 MM
497571	144K88-T3130-29	144-Fiber, Plenum, 62.5/125 MM
865059	036T81-61131-24	36-Fiber, Riser, 50/125 MM
865065	036T88-61131-29	36-Fiber, Plenum, 50/125 MM
865062	048T81-61131-24	48-Fiber, Riser, 50/125 MM
865068	048T88-61131-29	48-Fiber, Plenum, 50/125 MM
865063	072T81-T3131-24	72-Fiber, Riser, 50/125 MM
865069	072T88-T3131-29	72-Fiber, Plenum, 50/125 MM
865064	144T81-T3131-24	144-Fiber, Riser, 50/125 MM
865071	144T88-T3131-29	144-Fiber, Plenum, 50/125 MM
865072	036E88-61131-24	36-Fiber, Riser, 8.3/125 SM
777901	036E88-61131-29	36-Fiber, Plenum, 8.3/125 SM
733399	048E81-61131-24	48-Fiber, Riser, 8.3/125 SM
733404	048E88-61131-29	48-Fiber, Plenum, 8.3/125 SM
733400	072E81-T3131-24	72-Fiber, Riser, 8.3/125 SM
733405	072E88-T3131-29	72-Fiber, Plenum, 8.3/125 SM
733401	144E81-T3131-24	144-Fiber, Riser, 8.3/125 SM
733406	144E88-T3131-29	144-Fiber, Plenum, 8.3/125 SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

### TIGHT BUFFERED, INDOOR ARMORED

#### MIC® Interlocking Armored Riser and Plenum Cable

Corning Cable Systems MIC Interlocking Armored Riser (OFNR) and Plenum (OFNP) Cables are designed for use in plenum, riser, and general-purpose environments for intra-building backbone and horizontal installations.

- Flexible, spirally wrapped, aluminum interlocking armor provides seven times the crush protection compared to unarmored cables
- TIA-598 color-coded TBII® Buffered Fibers enable easy identification, consistent stripping, and direct termination
- Rugged and durable flame-retardant jacket designed for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra-rugged cables
- Interlocking armor eliminates need for innerduct, reduces overall installation cost, and offers easy, one-step installation process



CSC PART NO.	MFR. PART NO.	DESCRIPTION
588570	006K81-31130-A1	6-Fiber MIC Interlocking Armored Riser Cable, MM, 62.5 µm
703535	012K81-33130-A1	12-Fiber MIC Interlocking Armored Riser Cable, MM, 62.5 µm
476097	024K81-33130-A1	24-Fiber MIC Interlocking Armored Riser Cable, MM, 62.5 µm
498078	006K88-31130-A3	6-Fiber MIC Interlocking Armored Plenum Cable, MM, 62.5 µm
498058	012K88-33130-A3	12-Fiber MIC Interlocking Armored Plenum Cable, MM, 62.5 µm
580269	024K88-33130-A3	24-Fiber MIC Interlocking Armored Plenum Cable, MM, 62.5 µm
855384	006T81-31131-A1	6-Fiber MIC Interlocking Armored Riser Cable, MM, Standard 50 µm
855385	012T81-33131-A1	12-Fiber MIC Interlocking Armored Riser Cable, MM, Standard 50 µm

CSC PART NO.	MFR. PART NO.	DESCRIPTION
864967	024T81-33131-A1	24-Fiber MIC Interlocking Armored Riser Cable, MM, Standard 50 µm
864968	006T88-31131-A3	6-Fiber MIC Interlocking Armored Plenum Cable, MM, Standard 50 µm
855390	012T88-33131-A3	12-Fiber MIC Interlocking Armored Plenum Cable, MM, Standard 50 µm
855393	024T88-33131-A3	24-Fiber MIC Interlocking Armored Plenum Cable, MM, Standard 50 µm
796716	006E81-31131-A1	6-Fiber MIC Interlocking Armored Riser Cable, SM
781397	012E81-33131-A1	12-Fiber MIC Interlocking Armored Riser Cable, SM
796010	024E81-33131-A1	24-Fiber MIC Interlocking Armored Riser Cable, SM
751205	006E88-31131-A3	6-Fiber MIC Interlocking Armored Plenum Cable, SM
748531	012E88-33131-A3	12-Fiber MIC Interlocking Armored Plenum Cable, SM
748532	024E88-33131-A3	24-Fiber MIC Interlocking Armored Plenum Cable, SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

#### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550/—	600*/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

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### TIGHT BUFFERED, INDOOR ARMORED

#### MIC® DX Armored Riser and Plenum Cable

Corning Cable Systems MIC DX Armored Riser (OFNR) and Plenum (OFNP) Cables are placed inside a dielectric armor for ruggedness and superior crush resistance without the conductive properties of traditional armor.



- Flexible, all-dielectric armor requires no grounding or bonding while providing four times the crush protection compared to unarmored cables
- TIA-598 color-coded TBII® Buffered Fibers enable easy identification, consistent stripping, and direct termination
- Rugged and durable flame-retardant jacket designed for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra-rugged cables
- Easy armor removal provides increased safety and speed at installation

CSC PART NO.	MFR. PART NO.	DESCRIPTION	CSC PART NO.	MFR. PART NO.	DESCRIPTION
864971	006K81-31130-D1	6-Fiber MIC DX Armored Riser Cable, MM, 62.5 µm	864987	006K88-31130-D3	6-Fiber MIC DX Armored Plenum Cable, MM, 62.5 µm
864977	012K81-33130-D1	12-Fiber MIC DX Armored Riser Cable, MM, 62.5 µm	864988	012K88-33130-D3	12-Fiber MIC DX Armored Plenum Cable, MM, 62.5 µm
864978	024K81-33130-D1	24-Fiber MIC DX Armored Riser Cable, MM, 62.5 µm	864989	024K88-33130-D3	24-Fiber MIC DX Armored Plenum Cable, MM, 62.5 µm
864980	006T81-31131-D1	6-Fiber MIC DX Armored Riser Cable, MM, Standard 50 µm	864990	006T88-31131-D3	6-Fiber MIC DX Armored Plenum Cable, MM, Standard 50 µm
864981	012T81-33131-D1	12-Fiber MIC DX Armored Riser Cable, MM, Standard 50 µm	864991	012T88-33131-D3	12-Fiber MIC DX Armored Plenum Cable, MM, Standard 50 µm
864982	024T81-33131-D1	24-Fiber MIC DX Armored Riser Cable, MM, Standard 50 µm	864992	024T88-33131-D3	24-Fiber MIC DX Armored Plenum Cable, MM, Standard 50 µm
864983	006E81-31131-D1	6-Fiber MIC DX Armored Riser Cable, SM	864993	006E88-31131-D3	6-Fiber MIC DX Armored Plenum Cable, SM
864984	012E81-33131-D1	12-Fiber MIC DX Armored Riser Cable, SM	860660	012E88-33131-D3	12-Fiber MIC DX Armored Plenum Cable, SM
864985	024E81-33131-D1	24-Fiber MIC DX Armored Riser Cable, SM	860661	024E88-33131-D3	24-Fiber MIC DX Armored Plenum Cable, SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

#### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

### TIGHT BUFFERED, INDOOR/OUTDOOR

#### FREEDM® One Riser & Plenum Rated

##### Applications

- Inter- and intra-building backbones in aerial, duct, and riser or plenum applications

##### Features/Benefits

- No need for transition splice when entering the building
- Tight buffered design eliminates need for fan-out kits
- Waterblocking technology for OSP applications
- Listed OFNR and FT-4 or OFNP and FT-6
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance



##### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
711696	006K8F-31130-29	6-Fiber, Riser, 62.5/125 MM
703893	006K8P-31130-29	6-Fiber, Plenum, 62.5/125 MM
703129	012K8F-31130-29	12-Fiber, Riser, 62.5/125 MM
703894	012K8P-31130-29	12-Fiber, Plenum, 62.5/125 MM
711697	024K8F-31130-29	24-Fiber, Riser, 62.5/125 MM
703895	024K8P-31130-29	24-Fiber, Plenum, 62.5/125 MM
855415	006T8F-31131-29	6-Fiber, Riser, 50/125 MM
857794	006T8P-31131-29	6-Fiber, Plenum, 50/125 MM
855417	012T8F-31131-29	12-Fiber, Riser, 50/125 MM

CSC PART NO.	MFR. PART NO.	DESCRIPTION
857795	012T8P-31131-29	12-Fiber, Plenum, 50/125 MM
857791	024T8F-31131-29	24-Fiber, Riser, 50/125 MM
857796	024T8P-31131-29	24-Fiber, Plenum, 50/125 MM
711703	006E8F-31131-29	6-Fiber, Riser, 8.3/125 SM
712910	006E8P-31131-29	6-Fiber, Plenum, 8.3/125 SM
711705	012E8F-31131-29	12-Fiber, Riser, 8.3/125 SM
712911	012E8P-31131-29	12-Fiber, Plenum, 8.3/125 SM
711707	024E8F-31131-29	24-Fiber, Riser, 8.3/125 SM
712912	024E8P-31131-29	24-Fiber, Plenum, 8.3/125 SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

##### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

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### TIGHT BUFFERED, INDOOR/OUTDOOR



#### FREEDM® One Unitized Riser Cables

##### Features/Benefits

- Water-blocking technology for OSP applications
- Small diameter and bend radius enable easy installation in space-constrained areas
- Color-coded fibers provide easy identification and consistent stripping
- All-dielectric cable construction requires no grounding or bonding
- UV-resistant, flame-retardant jacket is rugged, durable, and easy to strip

##### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
865073	036K8F-61130-29	36-Fiber, Riser, 62.5/125 MM
865074	048K8F-61130-29	48-Fiber, Riser, 62.5/125 MM
865075	072K8F-T3130-29	72-Fiber, Riser, 62.5/125 MM
865076	036T8F-61131-29	36-Fiber, Riser, 50/125 MM
865077	048T8F-61131-29	48-Fiber, Riser, 50/125 MM

CSC PART NO.	MFR. PART NO.	DESCRIPTION
865078	072T8F-T3131-29	72-Fiber, Riser, 50/125 MM
865079	036E8F-61131-29	36-Fiber, Riser, 8.3/125 SM
865080	048E8F-61131-29	48-Fiber, Riser, 8.3/125 SM
865081	072E8F-T3131-29	72-Fiber, Riser, 8.3/125 SM

#### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

### TIGHT BUFFERED, TACTICAL



#### Tactical Fiber Optic Cable

Corning Cable Systems Tactical Fiber Optic Cable is for routing in all environments or conditions between buildings and modular telecommunications gear for secure, dependable communications, data, or video.

- Rugged polyurethane outer jacket provides superior environmental and mechanical protection in abrasive or chemical atmospheres and high-crush environments
- Small diameter and bend radius enable easy installation in space-constrained areas
- All-dielectric cable construction requires no grounding or bonding
- Extremely flexible, durable cable design facilitates portability through deployment/retraction of cable; ideal for temporary/permanent communication systems

#### Transmission Performance

Fiber Code	K
Performance Option Code	30
Fiber Type	62.5/125 µm (850/1300 nm)
Max. Attenuation (dB/km)	3.4/1.0
Min. LED Bandwidth (MHz km)	200/500
Min. Eff. Modal Bandwidth (MHz km)	220/—
Serial Gigabit Ethernet Distance (m)	300/550
Serial 10 Gigabit Ethernet Distance (m)	33/—

\* EMB when deployed with 850 nm, 1 GbA VCSEL,

as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL,

as predicted by DMD method using FOTP-220.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
796275	004K8U-31130-24	4-Fiber Tactical Fiber Optic Cable, MM, 62.5 µm

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.



### TIGHT BUFFERED, INDOOR/OUTDOOR ARMORED

#### FREEDM® One Interlocking Armored Riser and Plenum Cable

Corning Cable Systems FREEDM One Interlocking Armored Riser (OFCR) and Plenum (OFCP) Cables are indoor/outdoor cables designed for aerial, duct, and direct-buried applications with no need for a transition splice when entering the building.



- Spirally wrapped, aluminum interlocking armor provides ruggedness and superior crush resistance for indoor/outdoor applications requiring extra protection for optical cables
- Tight-buffered construction facilitates easier termination for low fiber-count applications and eliminates need for fan-out kits
- TIA-598 color-coded TBII® Buffered Fibers enable easy identification, consistent stripping, and direct termination
- Ruggedized, gel-free water-blocking technology protects cable against water penetration without the cleanup of messy gels during termination
- UV-resistant, flame-retardant jacket is rugged, durable, and easy to strip

CSC PART NO.	MFR. PART NO.	DESCRIPTION
837108	006K8F-31130-A1	6-Fiber FREEDM One Interlocking Armored Riser Cable, MM, 62.5 µm
864994	012K8F-31130-A1	12-Fiber FREEDM One Interlocking Armored Riser Cable, MM, 62.5 µm
864996	024K8F-31130-A1	24-Fiber FREEDM One Interlocking Armored Riser Cable, MM, 62.5 µm
809824	006K8P-31130-A3	6-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, 62.5 µm
864997	012K8P-31130-A3	12-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, 62.5 µm
864998	024K8P-31130-A3	24-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, 62.5 µm
865000	006T8F-31131-A1	6-Fiber FREEDM One Interlocking Armored Riser Cable, MM, Standard 50 µm
865002	012T8F-31131-A1	12-Fiber FREEDM One Interlocking Armored Riser Cable, MM, Standard 50 µm
865003	024T8F-31131-A1	24-Fiber FREEDM One Interlocking Armored Riser Cable, MM, Standard 50 µm
865004	006T8P-31131-A3	6-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, Standard 50 µm
865006	012T8P-31131-A3	12-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, Standard 50 µm
865007	024T8P-31131-A3	24-Fiber FREEDM One Interlocking Armored Plenum Cable, MM, Standard 50 µm
865008	006E8F-31131-A1	6-Fiber FREEDM One Interlocking Armored Riser Cable, SM
809420	012E8F-31131-A1	12-Fiber FREEDM One Interlocking Armored Riser Cable, SM
865009	024E8F-31131-A1	24-Fiber FREEDM One Interlocking Armored Riser Cable, SM
824726	006E8P-31131-A3	6-Fiber FREEDM One Interlocking Armored Plenum Cable, SM
776735	012E8P-31131-A3	12-Fiber FREEDM One Interlocking Armored Plenum Cable, SM
856105	024E8P-31131-A3	24-Fiber FREEDM One Interlocking Armored Plenum Cable, SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

#### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/— 1	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

## CORNING

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### LOOSE TUBE, INDOOR/OUTDOOR

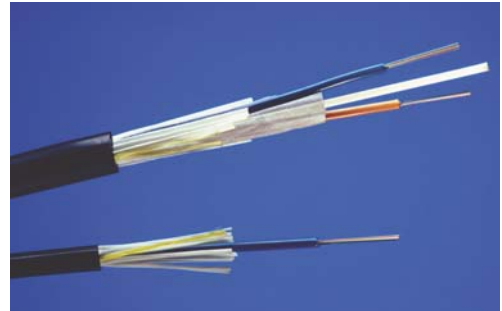
#### FREEDM® and FREEDM/LST™ Riser Rated

##### Applications

- Inter- and intra-building backbones in aerial, duct, and riser applications

##### Features/Benefits

- Gel-free design is fully water-blocked using craft-friendly water-swellaable yarns and tapes, making cable access simple and requiring no clean-up
- No need for transition splice when entering the building
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance
- Listed OFNR and FT-4 cable tray rated
- Available with interlocking armor, enables easy one-step installation of protected cable



##### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
711981	006KSF-T4130D20	FREEDM LST — 6-Fiber, 62.5/125 MM
711982	012KSF-T4130D20	FREEDM LST — 12-Fiber, 62.5/125 MM
711984	024KSF-T4130D20	FREEDM LST — 24-Fiber, 62.5/125 MM
733317	048KWF-T4130D20	FREEDM — 48-Fiber, 62.5/125 MM
733318	144KWF-T4130D20	FREEDM — 144-Fiber, 62.5/125 MM
855411	006TSF-T4131D20	FREEDM LST — 6-Fiber, 50/125 MM
855412	012TSF-T4131D20	FREEDM LST — 12-Fiber, 50/125 MM
855414	024TSF-T4131D20	FREEDM LST — 24-Fiber, 50/125 MM

CSC PART NO.	MFR. PART NO.	DESCRIPTION
865083	048TWF-T4131D20	FREEDM — 48-Fiber, 50/125 MM
865087	144TWF-T4131D20	FREEDM — 144-Fiber, 50/125 MM
712099	006ESF-T4101D20	FREEDM LST — 6-Fiber, 8.3/125 SM
712100	012ESF-T4101D20	FREEDM LST — 12-Fiber, 8.3/125 SM
712101	024ESF-T4101D20	FREEDM LST — 24-Fiber, 8.3/125 SM
733322	048EWF-T4101D20	FREEDM — 48-Fiber, 8.3/125 SM
733324	144EWF-T4101D20	FREEDM — 144-Fiber, 8.3/125 SM

NOTE: Use with Buffer Tube Fan-Out Kit, FAN-BT25-12 for direct termination.

For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

##### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.



# CORNING

## LOOSE TUBE, OSP



### ALTOS® All Dielectric and ALTOS® Lite™ Gel-Free Cables

#### Applications

- Campus backbones in lashed aerial and duct installations

#### Features/Benefits

- Gel-free design is fully water-blocked using craft-friendly water-swellaable yarns and tapes, making cable access simple and requiring no clean-up
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance
- ALTOS Lite cable single-armor construction provides additional crush and rodent protection
- ALTOS Lite cable high-strength ripcord under armor for ease of stripping

### Order Information

Contact Sales Representative for availability of nonstandard offerings.

CSC PART NO.	MFR. PART NO.	DESCRIPTION
711746	006KW4-T4130D20	ALTOS All-Dielectric — 6-Fiber, 62.5/125 MM
712904	006KWC-T4130D20	ALTOS Lite 1JCKT/1ARM — 6-Fiber, 62.5/125 MM
711749	012KW4-T4130D20	ALTOS All-Dielectric — 12-Fiber, 62.5/125 MM
733306	012KWC-T4130D20	ALTOS Lite 1JCKT/1ARM — 12-Fiber, 62.5/125 MM
711756	024KW4-T4130D20	ALTOS All-Dielectric — 24-Fiber, 62.5/125 MM
733307	024KWC-T4130D20	ALTOS Lite 1JCKT/1ARM — 24-Fiber, 62.5/125 MM
712121	048KW4-T4130D20	ALTOS All-Dielectric — 48-Fiber, 62.5/125 MM
733308	048KWC-T4130D20	ALTOS Lite 1JCKT/1ARM — 48-Fiber, 62.5/125 MM
865091	006TU4-T4131D20	ALTOS All-Dielectric — 6-Fiber, 50/125 MM
865094	006TUC-T4131D20	ALTOS Lite 1JCKT/1ARM — 6-Fiber, 50/125 MM
859453	012TU4-T4131D20	ALTOS All-Dielectric — 12-Fiber, 50/125 MM
865095	012TUC-T4131D20	ALTOS Lite 1JCKT/1ARM — 12-Fiber, 50/125 MM

CSC PART NO.	MFR. PART NO.	DESCRIPTION
865095	024TU4-T4131D20	ALTOS All-Dielectric — 24-Fiber 50/125 MM
865096	024TUC-T4131D20	ALTOS Lite 1JCKT/1ARM — 24-Fiber 50/125 MM
865093	048TU4-T4131D20	ALTOS All-Dielectric — 48-Fiber 50/125 MM
865097	048TUC-T4131D20	ALTOS Lite 1JCKT/1ARM — 48-Fiber 50/125 MM
711747	006EW4-T4101D20	ALTOS All-Dielectric — 6-Fiber 8.3/125 SM
733313	006EWC-T4101D20	ALTOS Lite 1JCKT/1ARM — 6-Fiber 8.3/125 SM
711750	012EW4-T4101D20	ALTOS All-Dielectric — 12-Fiber 8.3/125 SM
733314	012EWC-T4101D20	ALTOS Lite 1JCKT/1ARM — 12-Fiber 8.3/125 SM
711757	024EW4-T4101D20	ALTOS All-Dielectric — 24-Fiber 8.3/125 SM
733315	024EWC-T4101D20	ALTOS Lite 1JCKT/1ARM — 24-Fiber 8.3/125 SM
712122	048EW4-T4101D20	ALTOS All-Dielectric — 48-Fiber 8.3/125 SM
733316	048EWC-T4101D20	ALTOS Lite 1JCKT/1ARM — 48-Fiber 8.3/125 SM

NOTE: Use with Buffer Tube Fan-Out Kit, FAN-BT25-12 for direct termination.

For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

### ALTOS® Figure-8 Gel-Free Cables

Corning Cable Systems ALTOS Figure-8 Gel-Free Cables are self-supporting aerial cables designed for easy and economical one-step installation. The loose tube design provides stable performance over a wide temperature range.

- Fully water-blocked loose tube, gel-free design protects cable against water penetration without the cleanup of messy gels during termination
- Medium-density polyethylene jacket is rugged, durable, and easy to strip
- Figure-8 cable design enables easy, one-step installation using standard hardware and installation methods
- SZ-stranded, loose tube design isolates optical fibers from installation



CSC PART NO.	MFR. PART NO.	DESCRIPTION
783625	012EWA-T4101D20	12-Fiber ALTOS Figure-8 Gel-Free Cable, SM

CSC PART NO.	MFR. PART NO.	DESCRIPTION
791642	024EWA-T4101D20	24-Fiber ALTOS Figure-8 Gel-Free Cable, SM

NOTE: For other fiber counts, configurations, and performance grades available, contact your local CSC Representative.

### Transmission Performance

Fiber Code	K	T	T	T	E
Performance Option Code	30	80	90	91	31
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Singlemode (1310/1550 nm)
Max. Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.5
Min. LED Bandwidth (MHz km)	200/500	1500/500	1500/500	1500/500	—/—
Min. Eff. Modal Bandwidth (MHz km)	220/—	2000/—	4700/—	5350/—	—/—
Serial Gigabit Ethernet Distance (m)	300/550	1000/600	1000/600	1000/600	5000/—
Serial 10 Gigabit Ethernet Distance (m)	33/—	300/—	550*/—	600**/—	10000/40000

\* EMB when deployed with 850 nm, 1 GbA VCSEL, as predicted by RML bandwidth using FOTP-204.

\*\* EMB when deployed with 850 nm, 10 GbA VCSEL, as predicted by DMD method using FOTP-220.

## CORNING

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### DISTRIBUTION PANELS/ENCLOSURES

#### Pretium Connector Housings (PCH) & Closet Connector Housings (CCH) — Rack-Mountable

##### Features/Benefits

- Ideal for field connectorization
- Suitable for loose tube, tight-buffered, and optical fiber ribbon cables
- Standard 4.5" frontal projection plus flush-mount capability
- Factory- or field-installable lock
- Accommodates Corning Cable Systems CCH Connector Panels

CSC PART NO.	MFR. PART NO.	DESCRIPTION
599536	PCH-01U	Pretium™ Connector Housing, 2 CCH Panels, 1U*
701075	PCH-02U	Pretium Connector Housing, 4 CCH Panels, 2U*
599537	PCH-04U	Pretium Connector Housing, 12 CCH Panels, 4U*
461963	CCH-01U	Closet Connector Housing, 2 CCH Panels, 1U*
461964	CCH-02U	Closet Connector Housing, 4 CCH Panels, 2U*
460612	CCH-03U	Closet Connector Housing, 6 CCH Panels, 3U*
461966	CCH-04U	Closet Connector Housing, 12 CCH Panels, 4U*
598718	CCS-01U	Closet Connector & Splice Housing, 2 CCH Panels, 1U*
578587	CCS-03U	Closet Connector & Splice Housing, 4 CCH Panels, 3U*

##### Accessories

464784	CDF-ER-7A-19	Closet Distribution Frame 7", 19"
701060	CDF-IBU-7-6	Inter-Bay Storage Unit 6"W
701059	CDF-IBU-CVR-6	Inter-Bay Storage Unit Cover 6"W
499631	CJP-01U	Jumper Management Panel, 1U*
462012	CJP-02U	Jumper Management Panel, 2U*
479520	CJP-03U	Jumper Management Panel, 3U*
733910	BRP-19-1-75	Blank Filler Panel 19"W, 1U*
733911	BRP-19-2-75	Blank Filler Panel 19"W, 2U*
733912	BRP-19-3-75	Blank Filler Panel 19"W, 3U*
733913	BRP-19-4-75	Blank Filler Panel 19"W, 4U*
539517	BRP-19-5-75	Blank Filler Panel 19"W, 5U*
531190	HDWR-LOCK-KIT	Field-Installable Lock Kit

\* One "U" = one industry standard rack space of 1.75"



PCH-04U and PCH-01U



CCH-02U and CCH-01U

#### Wall-Mountable Interconnect Center (WIC)

##### Features/Benefits

- Cost-effective enclosure designed for the storage and protection of up to 12 or 24 fiber optic connections
- Suitable for loose tube and tight-buffered optical fiber cables
- Incorporates mounting provisions for up to two splice trays for pigtail splicing



WIC-02P and WIC-04P

CSC PART NO.	MFR. PART NO.	DESCRIPTION
706617	WIC-02P	Enclosure — Wall-Mountable Interconnect Center; Accepts 2 CCH Panels (13"H x 8.5"W x 2.6"D)
706618	WIC-04P	Enclosure — Wall-Mountable Interconnect Center; Accepts 4 CCH Panels (13"H x 8.5"W x 4.1"D)
465414	WIC-012	Enclosure — 12-Fiber Wall-Mountable Interconnect Center; Accepts 2 WIC Panels (9.25"H x 8.5"W x 3"D)
465525	WIC-024	Enclosure — 24-Fiber Wall-Mountable Interconnect Center; Accepts 4 WIC Panels (9.25"H x 8.5"W x 4.6"D)
465528	WIC-CP1-15	Connector Panel — 6-Fiber Panel with 6 ST® Compatible Multimode Adapters Installed (ceramic)
465529	WIC-CP1-25	Connector Panel — 6-Fiber Panel with 6 ST Compatible Multimode Adapters Installed (composite)
479558	WIC-CP1-19	Connector Panel — 6-Fiber Panel with 6 ST Compatible Singlemode Adapters Installed (ceramic)
469020	WIC-CP1-57	Connector Panel — 6-Fiber Panel with 3 Duplex SC Multimode Adapters Installed (metal)
584548	WIC-CP1-59	Connector Panel — 6-Fiber Panel with 3 Duplex SC Singlemode Adapters Installed (ceramic)
584546	WIC-CP1-1297	Connector Panel — 12-Fiber Panel with 6 MT-RJ Multimode Adapters Installed
584547	WIC-CP1-1298	Connector Panel — 12-Fiber Panel with 6 MT-RJ Singlemode Adapters Installed

##### Accessories

748102	WIC-GUARD	Optional Guard to Protect Jumpers (WIC-012 only)
733731	WIC-024-GUARD	Optional Guard to Protect Jumpers (WIC-024 only)



#### Wall-Mountable Connector Housings (WCH)

##### Features/Benefits

- Ideal for field connectorization
- Suitable for loose tube and tight-buffered optical fiber cables
- Jumper routing guides and jumper strain-relief points
- Factory- or field-installable lock
- Accommodates Corning Cable Systems CCH Connector Panels



CSC PART NO.	MFR. PART NO.	DESCRIPTION
462628	WCH-02P	Connector Housing — CCH Connector Panels Capacity, 2
462629	WCH-04P	Connector Housing — CCH Connector Panels Capacity, 4
490467	WCH-06P	Connector Housing — CCH Connector Panels Capacity, 6
480236	WCH-12P	Connector Housing — CCH Connector Panels Capacity, 12
<b>Accessories</b>		
480246	WJG-02R	Jumper Storage Guides
490468	WCH-DUST-CVR	Dust Cover for -04P and -06P
543146	WCH-DUST-CVR-D	Dust Cover for -12P
531190	HDWR-LOCK-KIT	Field-Installable Lock Kit

#### Closet Connector Housing Panels (CCH-CP)

##### Features/Benefits

- CCH connector panels are offered in 6-, 8-, 12-, and 24-fiber count options in most adapter styles
- Available with ST® compatible, SC duplex and simplex, LC duplex and simplex, MTP, MT-RJ, and FC adapters
- One panel size fits in all standard LANscape Solutions hardware, including CCH, PCH, CCS, WCH, ICH, EDC, FZB, SPH, and PWH
- Designed to accommodate all industry-standard adapter types
- Unique color-coded connector labeling system

CSC PART NO.	MFR. PART NO.	DESCRIPTION
513508	CCH-CP06-97	MT-RJ Adapter Type, MM 62.5 µm Fiber Type, 6-Fiber (3 adapters)
495161	CCH-CP08-97	MT-RJ Adapter Type, MM 62.5 µm Fiber Type, 8-Fiber (4 adapters)
467368	CCH-CP12-97	MT-RJ Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (6 adapters)
467369	CCH-CP24-97	MT-RJ Adapter Type, MM 62.5 µm Fiber Type, 24-Fiber (12 adapters)
703036	CCH-CP06-G1	MT-RJ Adapter Type, MM 50 µm Fiber Type, 6-Fiber (3 adapters)
584544	CCH-CP06-98	MT-RJ Adapter Type, SM-Fiber Type, 6-Fiber (3 adapters)
495166	CCH-CP12-98	MT-RJ Adapter Type, SM-Fiber Type, 12-Fiber (6 adapters)
495156	CCH-CP06-56	SC SMLX Adapter Type, MM 62.5 µm Fiber Type, 6-Fiber (6 adapters)
460613	CCH-CP06-91	SC DPLX Adapter Type, MM 62.5 µm Fiber Type, 6-Fiber (3 adapters)
406248	CCH-CP12-91	SC DPLX Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (6 adapters)
703037	CCH-CP06-G7	SC DPLX Adapter Type, MM 50 µm Fiber Type, 6-Fiber (3 adapters)
467365	CCH-CP06-59	SC DPLX Adapter Type, SM-Fiber Type, 6-Fiber (3 adapters)
467363	CCH-CP06-15T	ST® Compatible Ceramic Adapter Type, MM 62.5 µm Fiber Type, 6-Fiber (6 adapters)
461968	CCH-CP06-25T	ST Compatible Composite Adapter Type, MM 62.5 µm Fiber Type, 6-Fiber (6 adapters)
460128	CCH-CP12-15T	ST Compatible Ceramic Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (12 adapters)
495163	CCH-CP12-25T	ST Compatible Composite Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (12 adapters)
703039	CCH-CP06-G5	ST Compatible Ceramic Adapter Type, MM 50 µm Fiber Type, 6-Fiber (6 adapters)
461967	CCH-CP06-19T	ST Compatible Ceramic Adapter Type, SM-Fiber Type, 6-Fiber (6 adapters)
495162	CCH-CP12-19T	ST Compatible Ceramic Adapter Type, SM-Fiber Type, 12-Fiber (12 adapters)
594844	CCH-CP12-A7	LC DPLX Metal Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (6 adapters)
598223	CCH-CP12-A8	LC DPLX Ceramic Adapter Type, MM 62.5 µm Fiber Type, 12-Fiber (6 adapters)
594846	CCH-CP24-A7	LC DPLX Metal Adapter Type, MM 62.5 µm Fiber Type, 24-Fiber (12 adapters)
703041	CCH-CP24-A8	LC DPLX Ceramic Adapter Type, MM 62.5 µm Fiber Type, 24-Fiber (12 adapters)
703040	CCH-CP12-D3	LC DPLX Ceramic Adapter Type, MM 50 µm Fiber Type, 12-Fiber (6 adapters)
595533	CCH-CP24-D3	LC DPLX Ceramic Adapter Type, MM 50 µm Fiber Type, 24-Fiber (12 adapters)
594845	CCH-CP12-A9	LC DPLX Ceramic Adapter Type, SM-Fiber Type, 12-Fiber (6 adapters)
594847	CCH-CP24-A9	LC DPLX Ceramic Adapter Type, SM-Fiber Type, 24-Fiber (12 adapters)

NOTE: For other adapter types and configurations available, contact your local CSC Representative.



72-Fiber MTP  
Connector  
Panel



24-Fiber LC  
Duplex Connector  
Panel



12-Fiber ST  
Compatible  
Connector Panel



12-Fiber SC  
Duplex  
Connector Panel

## CORNING

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### CONNECTORS & COUPLERS

#### UniCam® and UniCam Pretium-Performance No-Epoxy/No-Polish Connectors

The UniCam and UniCam Pretium-Performance connectors enable field termination without the need for epoxy and polishing, eliminating much of the time and expense of traditional connectors. It incorporates a specially selected fiber stub that is fully bonded into the ferrule and precision polished at the factory. The other end of the stub is precisely cleaved and placed into an internal mechanical splice element flooded with inert index matching gel.

##### Features/Benefits

- Installs in less than 1 minute on 900  $\mu$ m fiber
- No consumables required
- Universal tool kit terminates multimode and singlemode fibers in ST® compatible, SC, and LC
- Excellent reflectance performance



CSC PART NO.	MFR. PART NO.	DESCRIPTION
316776	95-000-40	SC Composite Connector Type, MM 62.5 $\mu$ m Fiber Type
461832	95-000-41	SC Ceramic Connector Type, MM 62.5 $\mu$ m Fiber Type
495891	95-050-41	SC Ceramic Connector Type, MM 50 $\mu$ m Fiber Type
588985	95-050-41-X	SC Ceramic Connector Type, MM 50 $\mu$ m Laser-Optimized Fiber Type
324626	95-000-50	ST Compatible Composite Connector Type, MM 62.5 $\mu$ m Fiber Type
464642	95-000-51	ST Compatible Ceramic Connector Type, MM 62.5 $\mu$ m Fiber Type
495892	95-050-51	ST Compatible Ceramic Connector Type, MM 50 $\mu$ m Fiber Type
706300	95-050-51-X	ST Compatible Ceramic Connector Type, MM 50 $\mu$ m Laser-Optimized Fiber Type
706629	95-000-99	LC Ceramic (Senior) Connector Type, MM 62.5 $\mu$ m Fiber Type
706630	95-050-99	LC Ceramic (Senior) Connector Type, MM 50 $\mu$ m Fiber Type
706631	95-050-99-X	LC Ceramic Connector Type, MM 50 $\mu$ m Laser-Optimized Fiber Type
423206	95-200-41	SC Super PC Polish Connector Type, SM Fiber Type
469537	95-200-42	SC Ultra PC Polish Connector Type, SM Fiber Type
423207	95-200-51	ST Compatible Super PC Polish Connector Type, SM Fiber Type
479974	95-200-52	ST Compatible Ultra PC Polish Connector Type, SM Fiber Type
706622	95-200-99	LC Ultra PC Polish Connector Type, SM Fiber Type

##### Accessories

700097	95-400-03-BP	SC DPLX Clip (50 pk.)
802940	TKT-UNICAM-PFC	Pretium UniCam Installation Tool Kit; ST Compatible, SC, and LC
735761	TKT-UNICAM-CTS-SF	Basic Installation Tool Kit plus Continuity Test Set Functionality with VFL Included
471484	95-000-04	CamSplice™ Mechanical, No-Adhesive Mechanical Splice (6 pk.)

##### Adapters

865098	ADP-ST00-MCATH-NLS	ST® Compatible Connector Adapter — LOMMF*; Metal Housing; Threaded Mounting; Jam Nut; Ceramic Sleeve; Aqua
534916	ADP-ST00-MCBTH-NLS	ST Compatible Connector Adapter — MM 50 $\mu$ m*; Metal Housing; Threaded Mounting; Jam Nut; Ceramic Sleeve; Black
865099	ADP-ST00-MCKTH-NLS	ST Compatible Connector Adapter — MM 62.5 $\mu$ m*; Metal Housing; Threaded Mounting; Jam Nut; Ceramic Sleeve; Beige
791717	ADP-ST00-MCNTH-NLS	ST Compatible Connector Adapter — SM UPC*; Metal Housing; Threaded Mounting; Jam Nut; Ceramic Sleeve; Blue
865100	ADP-ST00-MCXTH-NLS	ST Compatible Connector Adapter — SM, MM*; Metal Housing; Threaded Mounting; Jam Nut; Ceramic Sleeve
865101	ADP-ST00-MMATH-NLS	ST Compatible Connector Adapter — LOMMF*; Metal Housing; Threaded Mounting; Jam Nut; Metal Sleeve; Aqua
865102	ADP-ST00-MMBTH-NLS	ST Compatible Connector Adapter — MM 50 $\mu$ m*; Metal Housing; Threaded Mounting; Jam Nut; Metal Sleeve; Black
843868	ADP-ST00-MMKTH-NLS	ST Compatible Connector Adapter — MM 62.5 $\mu$ m*; Metal Housing; Threaded Mounting; Jam Nut; Metal Sleeve; Beige
865103	ADP-ST00-MMNTH-NLS	ST Compatible Connector Adapter — SM UPC*; Metal Housing; Threaded Mounting; Jam Nut; Metal Sleeve; Blue
534767	ADP-ST00-MMXTH-NLS	ST Compatible Connector Adapter — SM, MM*; Metal Housing; Threaded Mounting; Jam Nut; Metal Sleeve;
865104	ADP-DSC0-CCAFI-CLS	SC Duplex Adapter — LOMMF*; Composite Housing; Full Flange Mounting; Metal Clip; Ceramic Sleeve; Aqua
865105	ADP-DSC0-CCBFL-CLS	SC Duplex Adapter — MM 50 $\mu$ m*; Composite Housing; Full Flange Mounting; Metal Clip; Ceramic Sleeve; Black
865106	ADP-DSC0-CCGFL-CLS	SC Duplex Adapter — SM APC*; Composite Housing; Full Flange Mounting; Metal Clip; Ceramic Sleeve; Green
598874	ADP-DSC0-CCKFL-CLS	SC Duplex Adapter — MM 62.5 $\mu$ m*; Composite Housing; Full Flange Mounting; Metal Clip; Ceramic Sleeve; Beige
479757	ADP-DSC0-CCNRC-CLS	SC Duplex Adapter — SM UPC*; Composite Housing; Full Flange Mounting; Metal Clip; Ceramic Sleeve; Blue
865113	ADP-DSC0-CMAFL-CLS	SC Duplex Adapter — LOMMF*; Composite Housing; Full Flange Mounting; Metal Clip; Metal Sleeve; Aqua
865114	ADP-DSC0-CMBFL-CLS	SC Duplex Adapter — MM 50 $\mu$ m*; Composite Housing; Full Flange Mounting; Metal Clip; Metal Sleeve; Black
479756	ADP-DSC0-CMKFL-CLS	SC Duplex Adapter — MM 62.5 $\mu$ m*; Composite Housing; Full Flange Mounting; Metal Clip; Metal Sleeve; Beige
865115	ADP-DSC0-CMNFL-CLS	SC Duplex Adapter — SM UPC*; Composite Housing; Full Flange Mounting; Metal Clip; Metal Sleeve; Blue
865116	ADP-DLCO-CCARC-CLS	LC Duplex Adapter — LOMMF*; Composite Housing; Reduced Flange Mounting; Integral Clip; Ceramic Sleeve; Aqua
865117	ADP-DLCO-CCBRC-CLS	LC Duplex Adapter — MM 50 $\mu$ m*; Composite Housing; Reduced Flange Mounting; Integral Clip; Ceramic Sleeve; Black
865118	ADP-DLCO-CCGRC-CLS	LC Duplex Adapter — SM APC*; Composite Housing; Reduced Flange Mounting; Integral Clip; Ceramic Sleeve; Green
865119	ADP-DLCO-CCKRC-CLS	LC Duplex Adapter — MM 62.5 $\mu$ m*; Composite Housing; Reduced Flange Mounting; Integral Clip; Ceramic Sleeve; Beige
865120	ADP-DLCO-CCNRC-CLS	LC Duplex Adapter — SM UPC*; Composite Housing; Reduced Flange Mounting; Integral Clip; Ceramic Sleeve; Blue
865120	ADP-DLCO-CMARC-CLS	LC Duplex Adapter — LOMMF*; Composite Housing; Reduced Flange Mounting; Integral Clip; Metal Sleeve; Aqua
865123	ADP-DLCO-CMBRC-CLS	LC Duplex Adapter — MM 50 $\mu$ m*; Composite Housing; Reduced Flange Mounting; Integral Clip; Metal Sleeve; Black
865124	ADP-DLCO-CMKRC-CLS	LC Duplex Adapter — MM 62.5 $\mu$ m*; Composite Housing; Reduced Flange Mounting; Integral Clip; Metal Sleeve; Beige
865125	ADP-DLCO-CMNRC-CLS	LC Duplex Adapter — SM UPC*; Composite Housing; Reduced Flange Mounting; Integral Clip; Metal Sleeve; Blue

\* LOMMF = Laser-optimized multimode fiber, MM = Multimode, SM = Singlemode, APC = Angled PC, UPC = Ultra PC.



## CORNING

### CONNECTORS & COUPLERS



#### Anaerobic-Cure Connectors

Corning Cable Systems Anaerobic-Cure Connectors offer optical performance in a fast, easy field-termination solution. This connector combines the quick-cure convenience of anaerobic adhesive with the performance of epoxy and polish connectors. Curing takes only one minute, without the use of lamps or ovens. With the hand-polish process, an average insertion loss of 0.2 dB is achieved.

##### Features/Benefits

- Quick-cure epoxy eliminates need for lamps or ovens
- Minimal tools and no index matching gel
- Hand polished for minimum insertion loss
- Low installation cost

CSC PART NO.	MFR. PART NO.	DESCRIPTION
771202	95-101-52-SP	ST Compatible 62.5 µm Multimode Connector with Ceramic Ferrule and Metal Hardware
707835	95-101-41-SP	SC 62.5 µm Multimode Connector with Ceramic Ferrule
<b>Accessories</b>		
711898	TKT-ANAEROBIC2	Installation Kit for Anaerobic-Cure; Includes Consumables for 600
711899	TKT-ANAEROBIC2-C	Anaerobic Consumable Kit; Includes Adhesive and Polish Paper for 600
707798	3201031-01	Jacket-Retention Crimp Tool

### BREAKOUT KITS & ACCESSORIES

#### Buffer Tube Fan-Out Kits

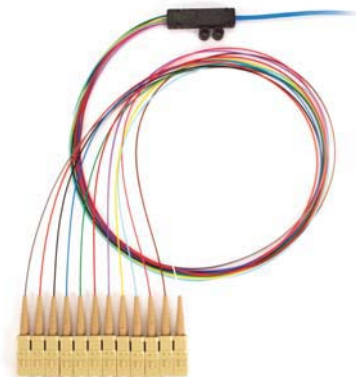
These buffer tube fan-out kits provide the ultimate solution for those users who want to field-install connectors. Indoor and outdoor kits feature a 900 µm fan-out assembly that is color-coded to match the fiber color scheme.

##### Applications

- Field termination of loose tube cables at indoor or outdoor cross-connections

CSC PART NO.	MFR. PART NO.	DESCRIPTION
306490	FAN-BT25-06	Indoor 6-Fiber Kit, 25"
501478	FAN-OD25-06	Outdoor* 6-Fiber Kit, 25"
478905	FAN-BT47-06	Indoor 6-Fiber Kit, 47"
494305	FAN-OD47-06	Outdoor* 6-Fiber Kit, 47"
312511	FAN-BT25-12	Indoor 12-Fiber Kit, 25"
507893	FAN-OD25-12	Outdoor* 12-Fiber Kit, 25"
478906	FAN-BT47-12	Indoor 12-Fiber Kit, 47"
560786	FAN-OD47-12	Outdoor* 12-Fiber Kit, 47"

\*Outdoor kits include additional elements that compensate for wider temperature fluctuations common in outdoor environments. Indoor temperature range 0° to 70°C; outdoor temperature range -40° to 70°C.



#### Spider Fan-Out Kits

The Spider Fan-Out Kits terminate and provide pull-out protection for bare fibers (900 µm or 250 µm). Installation of the product is simple. The cable jacket is stripped back and the fibers are threaded into the modular 6-fiber fan-out inserts. These inserts consist of six 1-meter lengths of fan-out tubing secured in a composite assembly. The fan-out tubing provides three layers of protection — consisting of a Teflon® inner tube (into which the fiber is inserted), an aramid yarn strength member, and an outer protective PVC jacket. The fan-out insert then snaps into the main spider body. When all the inserts have been loaded, the outer housing is installed to complete.

##### Applications

- Field termination of tight-buffered or loose tube cables when patch panels are not used



CSC PART NO.	MFR. PART NO.	DESCRIPTION	CSC PART NO.	MFR. PART NO.	DESCRIPTION
479002	SFK-P-06-250-S	Singlemode 6-Fiber Kit, 250 µm (ALTOS®) Cable	479004	SFK-P-06-900-S	Singlemode 6-Fiber Kit, 900 µm (MIC®) Cable
476956	SFK-P-06-250-M	Multimode 6-Fiber Kit, 250 µm (ALTOS) Cable	479003	SFK-P-06-900-M	Multimode 6-Fiber Kit, 900 µm (MIC) Cable
469663	SFK-P-12-250-S	Singlemode 12-Fiber Kit, 250 µm (ALTOS) Cable	479008	SFK-P-12-900-S	Singlemode 12-Fiber Kit, 900 µm (MIC) Cable
469662	SFK-P-12-250-M	Multimode 12-Fiber Kit, 250 µm (ALTOS) Cable	317089	SFK-P-12-900-M	Multimode 12-Fiber Kit, 900 µm (MIC) Cable
479010	SFK-P-24-250-S	Singlemode 24-Fiber Kit, 250 µm (ALTOS) Cable	479011	SFK-P-24-900-S	Singlemode 24-Fiber Kit, 900 µm (MIC) Cable
479009	SFK-P-24-250-M	Multimode 24-Fiber Kit, 250 µm (ALTOS) Cable	410865	SFK-P-24-900-M	Multimode 24-Fiber Kit, 900 µm (MIC) Cable



### LANscape® Pretium® Evolved-Density, Growth-Enabled (EDGE) Solutions



Corning Cable Systems LANscape Pretium Evolved-Density, Growth-Enabled (EDGE) Solutions are high-density pre-terminated optical cabling solutions that simplify installation and improve performance in the data center environment. Pretium EDGE Solutions, a complement to the Plug & Play™ Systems product family, provide increased system density when compared to traditional pre-terminated systems and offer the highest port density on the market. Custom-engineered components enable simple integration into common SAN directors, while the pre-terminated components allow for reduced installation time and faster moves, adds, and changes (MACs).

Corning Cable Systems' factory-terminated solutions provide improved system performance, ensure component compatibility, and yield consistent quality. Pretium EDGE Solutions consist of optical trunks and extender trunks, modules, harnesses, housings, and jumpers. Enabled by reduced cable diameters and Corning® ClearCurve® optical fiber, the trunks and extender trunks have an innovative pulling grip to increase the speed of deployment while offering superior protection of the assembly. Trunk furcation integrates inside of the hardware via a push-lock style cradle to create a rapid, one-hand strain-relief system.

The universal wired modular system components enable fast and simple networking moves, adds, and changes with none of the polarity concerns associated with special polarity-compensating components.

#### Installing the System

There is no time-consuming fiber preparation and termination as found in traditional field installations. There are no consumables or piece parts; no tools are required other than a screwdriver for installation of hardware. Zero scrap equals more accurate cost estimating, and system performance is guaranteed. Pre-terminated trunk cabling systems constructed with a factory-installed protective pulling grip are routed through the cabling

pathways and spaces. Once deployed, the pulling grip is removed and the exposed connectors on both ends are plugged into patch panels or system equipment. High-density MTP® Connector-based trunk systems plug into breakout modules or harnesses for a simple, fast, modular solution with easy scalability. Modules and harnesses conveniently load into Pretium EDGE Solutions hardware, and correct fiber polarity is guaranteed throughout the systems' link.

With Corning Cable Systems LANscape Pretium EDGE Solutions, there are only four steps required to install the optical network:

- Pull the cable assembly
- Mount the hardware
- Plug in the connectors
- Test the system

Pretium EDGE Solutions products are packaged in up to 60% recycled material, and the packaging is 100% recyclable.

#### Features & Benefits

- Revolutionary drawer-style hardware offers unprecedented finger access while achieving the highest port density on the market
- High-density trunk cables enable tighter trunk cable bends for slack storage and routing
- Low insertion loss performance allows for more connections in a link when deploying a
- Connector modules enable fiber modularity while offering both front- and rear-loading capability
- Shuttered modules create one-hand operation while eliminating need to keep up with dust caps

TIA-942-compliant system

#### Pretium EDGE Solutions Modules

CSC PART NO.	MFR. PART NO.	DESCRIPTION
864136	ECM-UM12-05-93T	12-Fiber LC Duplex to MTP (pinned), Multimode, Pretium 300 Solutions with Corning ClearCurve Optical Fiber
865127	ECM-UM12-05-93Q	12-Fiber LC Duplex to MTP (pinned), Multimode, Pretium 550 Solutions with Corning ClearCurve Optical Fiber
865128	ECM-UM12-04-89G	12-Fiber LC Duplex to MTP (pinned), Singlemode Ultra-Bendable Fiber

#### Pretium EDGE Solutions MTP Connector Panels

CSC PART NO.	MFR. PART NO.	DESCRIPTION
864137	EDGE-CP24-E3	24-Fiber MTP Connector Panel, Aqua Adapter for Pretium 300 or 550 Solutions
865134	EDGE-CP24-90	24-Fiber MTP Connector Panel, Black Adapter for Ultra-Bendable Singlemode Solutions

#### Pretium EDGE Solutions Housings

CSC PART NO.	MFR. PART NO.	DESCRIPTION
864130	EDGE-04U	4U Pretium EDGE Solutions Housing, Rack Mount
864132	EDGE-01U	1U Pretium EDGE Solutions Housing, Rack Mount

#### Accessories

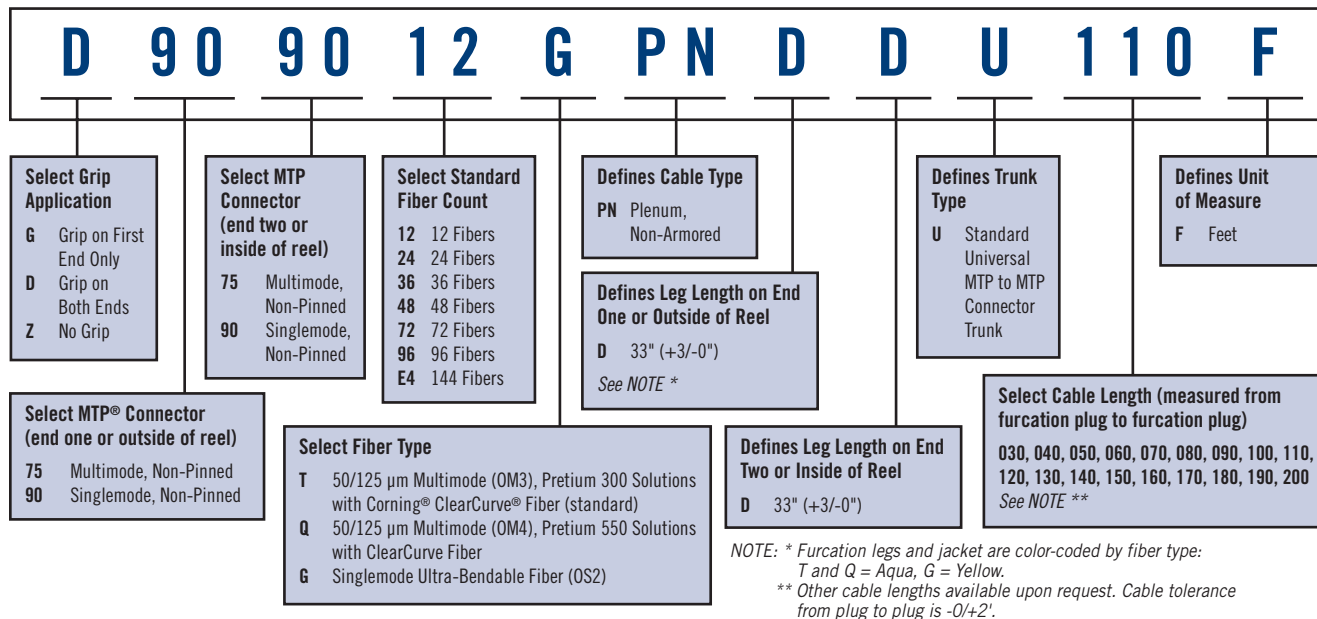
865135	EDGE-STRN1-10	Replacement Pretium EDGE Solutions Trunk Strain-Relief Bracket for Size 1 (12- to 36-Fiber MTP Connector Trunks), 10 Pack
864135	EDGE-STRN2-10	Replacement Pretium EDGE Solutions Trunk Strain-Relief Bracket for Size 2 (48- to 144-Fiber MTP Connector Trunks), 10 Pack
865138	EDGE-DBLSTRN1-10	Double-Stack Pretium EDGE Solutions Trunk Strain-Relief Bracket for Size 1 (12- to 36-Fiber MTP Connector Trunks), Each Bracket Holds 2 Trunks, 10 Pack
860512	2104466-01	MTP Connector Cleaning Tool
850817	CLEANER-PORT-LC	LC Connector Cleaning Tool

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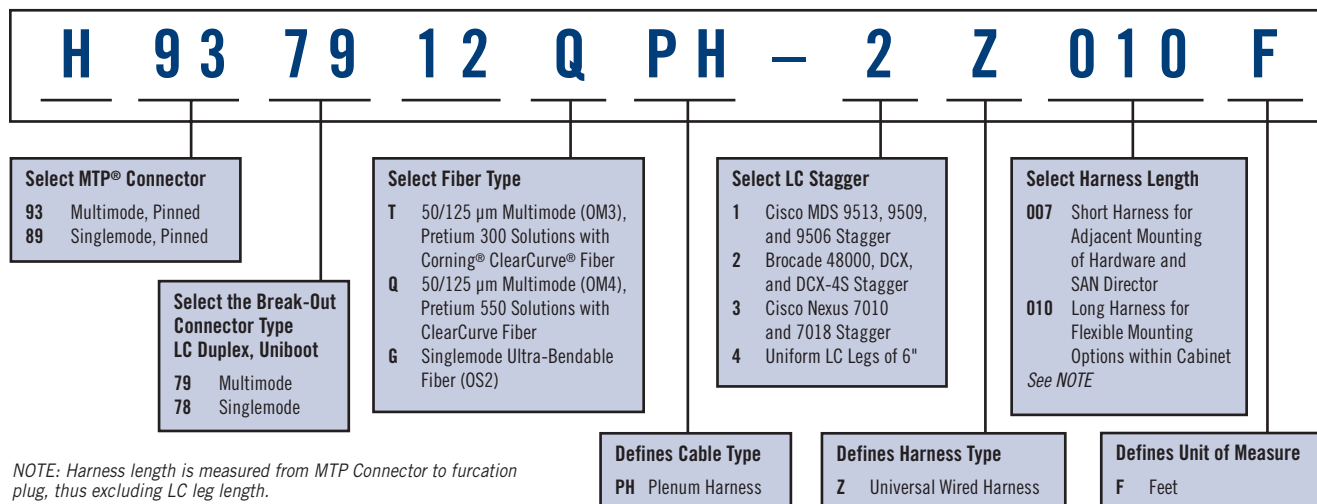


### LANscape® Pretium® Evolved-Density, Growth-Enabled (EDGE) Solutions *(continued)*

#### Pretium EDGE Solutions Trunk Cables



#### Pretium EDGE Solutions Harnesses



#### Pretium EDGE Solutions Jumpers

CSC PART NO.	MFR. PART NO.	DESCRIPTION
865140	E797902TD120003F	2-Fiber LC Uniboot/LC Uniboot Multimode Pretium EDGE Solutions Jumper, OFNR (riser) 2.0mm Interconnect Cable, Pretium 300 Solutions with Corning ClearCurve Optical Fiber, 3'
865141	E797902TD820003F	2-Fiber LC Uniboot/LC Uniboot Multimode Pretium EDGE Solutions Jumper, OFNP (plenum) 2.0mm Interconnect Cable, Pretium 300 Solutions with Corning ClearCurve Optical Fiber, 3'
865142	E797902QD120003F	2-Fiber LC Uniboot/LC Uniboot Multimode Pretium EDGE Solutions Jumper, OFNP (plenum) 2.0mm Interconnect Cable, Pretium 550 Solutions with Corning ClearCurve Optical Fiber, 3'
865143	787802GD120003F	2-Fiber LC Uniboot/LC Uniboot Singlemode Pretium EDGE Solutions Jumper, OFNR (riser) 2.0mm Interconnect Cable, Singlemode Ultra-Bendable Fiber, 3'
865144	787802GD820003F	2-Fiber LC Uniboot/LC Uniboot Singlemode Pretium EDGE Solutions Jumper, OFNP (plenum) 2.0mm Interconnect Cable, Singlemode Ultra-Bendable Fiber, 3'

*NOTE: For additional lengths available, contact your local CSC Representative for ordering information.*

## CORNING

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### Plug & Play™ Universal Systems

Corning Cable Systems Plug & Play Universal Systems are pre-terminated fiber optic cabling systems that dramatically improve performance for the increasing demand of high speeds in data center LAN/SAN, enterprise building backbone, and FTTH applications.



#### Features & Benefits

- Universal wired modular system components enable MACs without polarity concerns and provide a simple migration path between 2-fiber and parallel optics applications
- Standard and low-loss components provide a means of meeting increasingly stringent network performance requirements
- Factory-terminated solutions provide consistent quality, ensure system performance, and reduce installation time
- 100G Ready to meet the requirements of 100G Ethernet applications
- Maximum skew of 0.75 ns

### Plug & Play Universal Systems MTP® Connector Trunks

A	90	90	12	S	AD	B	B	U	100	F
<b>Select Grip Application</b> <b>A</b> Grip on First End Only <b>B</b> Grip on Both Ends <b>N</b> No Grip	<b>Select MTP Connector (end two or inside of reel)</b> <b>69</b> Multimode, 62.5 µm Performance, Non-Pinned <b>75</b> Multimode, Pretium-Performance, Non-Pinned <b>90</b> Singlemode, Non-Pinned		<b>Select Fiber Type</b> <b>K</b> 62.5 µm Multimode <b>S</b> LANscape® Pretium 300 Solutions <b>Y</b> Pretium 550 Solutions <b>R</b> Singlemode <i>See NOTE *</i>	<b>Select Leg Length on End One or Outside of Reel</b> <b>A</b> 24" (-0/+5"), Standard Construction <b>B</b> 36" (-0/+5") <i>See NOTE †</i>		<b>Defines Trunk Type</b> <b>U</b> Universal MTP to MTP Trunk		<b>Select Unit of Measure</b> <b>F</b> Feet <b>M</b> Meters		<b>Select Cable Length (measured from furcation plug to furcation plug)</b> 001-099
<b>Select MTP® Connector (end one or outside of reel)</b> <b>69</b> Multimode, 62.5 µm Performance, Non-Pinned <b>75</b> Multimode, Pretium®-Performance, Non-Pinned <b>90</b> Singlemode, Non-Pinned		<b>Select Standard Fiber Count</b> <b>12</b> 12 Fibers <b>24</b> 24 Fibers <b>36</b> 36 Fibers <b>48</b> 48 Fibers <b>72</b> 72 Fibers <b>96</b> 96 Fibers <b>E4</b> 144 Fibers		<b>Select Cable Type</b> <b>12- and 24-Fibers</b> <b>D8</b> Non-Armored Plenum <b>AD</b> Armored Plenum <b>36-, 48-, 72-, 96- and 144-Fibers</b> <b>C8</b> Non-Armored Plenum <b>CA</b> Armored Plenum <i>See NOTE **</i>		<b>Select Leg Length on End Two or Outside of Reel</b> <b>A</b> 24" (-0/+5"), Standard Construction <b>B</b> 36" (-0/+5")				

NOTE: \* Bend-improved singlemode fiber available upon request. Please contact your local CSC Representative for ordering information.

\*\* Contact your local CSC Representative for non-standard indoor and outdoor cable offerings.

† Furcation legs are color-coded by fiber type: K = Orange, S and Y = Aqua, R = Yellow.

In order to guarantee a low-loss system, use Pretium-Performance trunk, low-loss module, harness, and jumpers.

Plug & Play Universal Systems CCH modules contain fibers configured in the Universal Wiring Scheme and must be mated to Plug & Play Universal Systems MTP Connector trunks.

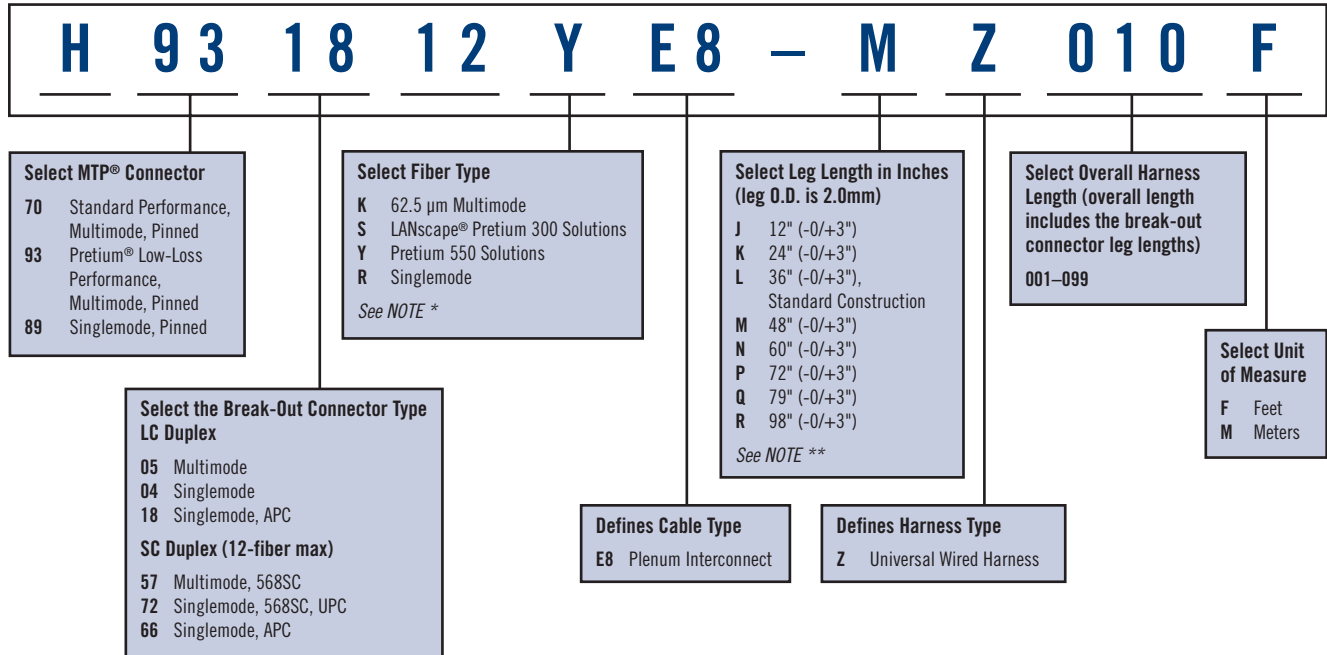
### Plug & Play Universal Systems Modules

CSC PART NO.	MFR. PART NO.	DESCRIPTION
783153	CCH-UM12-05-70S	12-Fiber LC Duplex to MTP (pinned), Multimode, Standard Performance, Pretium 300 Solutions
795176	CCH-UM12-05-93S	12-Fiber LC Duplex to MTP (pinned), Multimode, Pretium 550 Low-Loss Performance Solutions
775208	CCH-UM24-05-70S	24-Fiber LC Duplex to MTP (pinned), Multimode, Standard Performance, Pretium 300 Solutions
775209	CCH-UM24-05-93S	24-Fiber LC Duplex to MTP (pinned), Multimode, Pretium 550 Low-Loss Performance Solutions
796692	CCH-UM12-04-89R	12-Fiber LC Duplex to MTP (pinned), Singlemode
775210	CCH-UM24-04-89R	24-Fiber LC Duplex to MTP (pinned), Singlemode

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## Plug & Play™ Universal Systems (continued)

### Plug & Play Universal Systems Harness



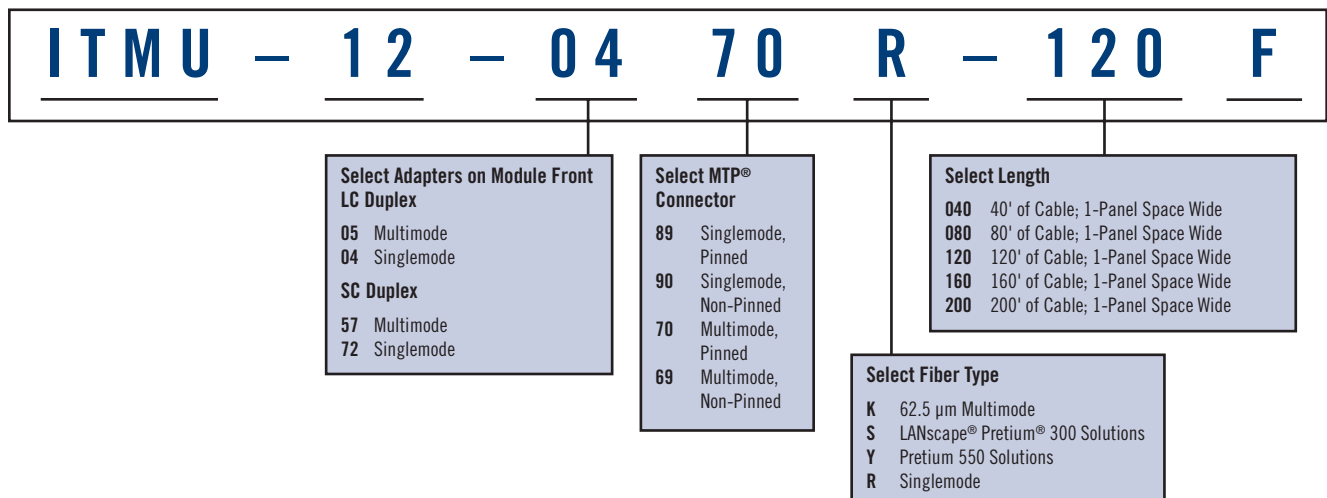
NOTE: \* Bend-improved singlemode fiber available upon request. Please contact your local CSC Representative for ordering information.

\*\* Furcation legs are color-coded by fiber type: K = Orange, S and Y = Aqua, R = Yellow.

In order to guarantee a low-loss system, use Pretium-Performance trunk, low-loss module, harness, and jumpers.

Low-loss available with SC duplex, LC duplex, and MTP Connectors on multimode Pretium 300 and 550 Solutions only.

### Plug & Play Universal Systems Integrated Trunk Modules



NOTE: All ITMs have 40' of trunk cable stored inside the ITM and the remaining cable is stored outside of the ITM.

Bend-improved singlemode fiber available upon request. Contact your local CSC Representative for ordering information.

Plug & Play Universal Systems are constructed with a value-added fiber polarity wiring solution that is not backwards compatible with systems utilizing a fiber pair-wise flip polarity solution, which is part of the Plug & Play Classic Systems solutions.

## CORNING

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### Plug & Play™ AnyLAN™ Systems



Corning Cable Systems Plug & Play AnyLAN Systems are pre-terminated LAN cabling solutions that incorporate standard optical fiber cables with pre-installed tether attachment points (TAPs) at customer-specified locations along the cable length.

- Pre-terminated cabling solution provides up to 50% faster per splice or termination point
- Flexibility for various network options installs direct buried or aerial for OSP applications; inside plant (riser) version installs within a 2" duct
- Factory tested for quick, reliable installation
- Shipped as a complete solution
- Complimentary engineering services are available to plan and design the system

Contact your local CSC Representative for ordering information.

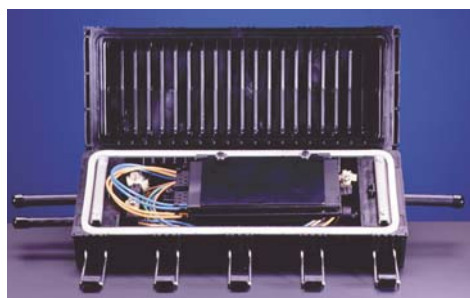
## Fiber Optic Splice Closures

### FIBER OPTIC SPLICE CLOSURES & ACCESSORIES

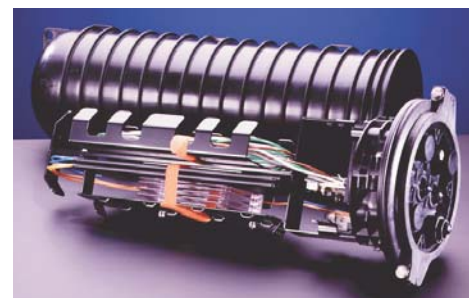
#### Outside Plant Splice Closure Kits

Corning Cable Systems offers a full line of closures for splicing fibers in aerial, below ground, and burial applications. The following kits offer a simple, single part number solution for the most common fiber counts.

- One part number for most common fiber counts
- Splice trays, seals, and hardware included in every kit
- Easy component additions for future expandability



UCAO-05-24



SCF-6C22-01-72

CSC PART NO.	MFR. PART NO.	DESCRIPTION
506761	UCAO-05-24	Kit — UCAO Mini Closure with 2 UCAO-ST-02 12-Fiber Splice Trays Included for up to 24-Fiber Applications. Hinged Case with Snap Latches, 4 Pre-Molded Cable Ports, (5" x 6" x 15")
535019	UCAO-02	Kit — 6 x 22 Canister Closure with 6 SCF-ST-099 Trays for 72-Fiber Splices
506744	SCF-6C22-01-72	Kit — SCF Canister Closure with 6 SCF-ST-048 12-Fiber Splice Trays Included for up to 72-Fiber Applications. Two Open Express Cable Ports, 4 Easily Opened Quick-Seal™ Mechanical Seal Drop Cable Ports, (6" dia. x 22")
506745	SCF-6C28-01-144	Kit — SCF Canister Closure with 6 SCF-ST-112 24-Fiber Splice Trays Included for up to 144-Fiber Applications. Two Open Express Cable Ports, 4 Easily Opened Quick-Seal Mechanical Seal Drop Cable Ports, (6" dia. x 28")
<b>Accessories</b>		
471634	UCAO-05	Splice Closure with 5 Tray Shelves, Trays Ordered Separately
478083	UCAO-ST-02	Splice Tray; Holds 12 Heat-Shrink Splices



#### OptiSplice® CDS Fusion Splicer

Corning Cable Systems OptiSplice CDS Fusion Splicer is ideal for networks where low-loss performance is imperative. Ideal for all LAN applications — it accurately splices current, legacy, dissimilar, and specialty fiber types.

- Touch screen with graphical user interface enables easy menu navigation
- Integrated GPS system automatically adjusts for altitude changes and allows storing of splice location coordinates
- 3-axis, video camera-based core alignment provides speed and versatility by the core detection system (CDS)
- Fastest total splice cycle time in the industry: 13 second splice + 20 second heat-shrink oven = 33 second typical
- Two USB ports enable easy data output and software upgrades



CSC PART NO.	MFR. PART NO.	DESCRIPTION
854377	OSCDS-OSM-T-H	OptiSplice CDS Fusion Splicer with FBC-006 Cleaver, Carrying Case with Wheels, Heat-Shrink Oven, Splice Tray Holder, USB Worklight, and Maintenance Tool Kit

#### OptiSplice® M90e Fusion Splicer

Corning Cable Systems OptiSplice M90e Fusion Splicer is the ideal machine for networks where low-loss performance is imperative. Ideal for all LAN applications — it accurately splices current, legacy, dissimilar, and specialty fiber types.

- Touch-screen with graphical user interface enables easy menu navigation
- Equipped with both LID System and CDS System 3-axis core alignment technologies, providing the accuracy of a power-through splice-loss measurement; CDS System technology provides speed and versatility
- Fastest total splice cycle time in the industry: 13 second splice (CDS mode) + 20 second heat-shrink oven = 33 second typical
- Two USB ports enable easy data output and software upgrades
- Integrated GPS system automatically adjusts for altitude changes and allows storing of splice location coordinates



CSC PART NO.	MFR. PART NO.	DESCRIPTION
854844	M90e-OSM-T-H	OptiSplice M90e Fusion Splicer with Cleaver, Carrying Case, Heat-Shrink Oven, Splice Tray Holder, Power Supply, USB Worklight, and Maintenance Tool Kit

#### OptiSplice™ LID Micro Fusion Splicer

The OptiSplice LID Micro Fusion Splicer offers the active core alignment accuracy of Corning Cable Systems LID-SYSTEM™ Unit, along with the speed and versatility of a passive core-alignment technology known as the core detection system (CDS). With the increasing number of applications for splicing dissimilar and specialty fibers, the LID-SYSTEM Unit is a necessity for low-loss splices. The OptiSplice LID Micro Fusion Splicer is the perfect combination of precise operation and ease of use.

- Two-in-one alignment unit offering direct active alignment with LID-SYSTEM Unit Technology and fast 3-axis camera-based passive core-alignment with core detection system (CDS)
- Accurately splices dissimilar fibers, with a < 0.05dB typical loss
- Utilizes automatic fusion time to optimize each splice (LID-SYSTEM Unit)
- Integrated Global Positioning System (GPS) for automatically adjusting for altitude changes, as well as storing splice location coordinates
- Maintenance-free, precise and durable (P&D) electrodes

CSC PART NO.	MFR. PART NO.	DESCRIPTION
816684	OSLID-OSM-T-H	OptiSplice LID™ Micro Fusion Splicer with FBC-006 Cleaver, Carrying Case with Wheels, Fast Heat-Shrink Oven, Splice Tray Holder, AC Power Supply with US Power Cord, Li-Ion Battery with External Charger, 1-Year Limited Warranty, Operators Manual, and Maintenance Tool Kit



#### OptiSplice® One Handheld Fusion Splicer

Corning Cable Systems OptiSplice One Handheld Fusion Splicer is a durable, reliable, and affordable splicer for restoration and installation of fiber optic networks with single fibers. Dual cameras provide a splice-loss estimate per completed splice.

- Fastest total splice cycle time in the industry: 11 second splice + 20 second heat-shrink oven (60mm shrink) = 31 second typical
- Graphical user interface enables easy menu navigation
- Ergonomic work area layout faces the operator and includes a removable splice tray holder
- High-capacity Li-Ion battery; 200 splices with heat-shrink oven typical
- High-contrast, transreflective LCD provides great visibility, even in bright sunlight



CSC PART NO.	MFR. PART NO.	DESCRIPTION
829781	OS1-OSM-T-H	OptiSplice One Handheld Fusion Splicer with Cleaver, (1) 250 µm Handlers, Heat-Shrink Oven, Carrying Case, and Detachable Splice Tray Holder/Screen Cover

#### OptiSplice® Ribbon Handheld Fusion Splicer

Corning Cable Systems OptiSplice Ribbon Handheld Fusion Splicer is a sturdy and reliable high-performance splicer for restoration and installation of ribbon cable with 2-, 4-, 6-, 8-, or 12-fiber ribbons or single fibers.

- Fast and reliable operation; 20 second splice (12 fiber) + 40 second heat-shrink oven = 60 second typical
- Graphic user interface enables easy menu navigation
- High-capacity Li-Ion battery; (130) 12-fiber splices with heat-shrink oven typical
- Snap-in magnetic handlers provide easy and precise fiber placement every time
- Ergonomic work area layout faces the operator and includes a removable splice tray holder



CSC PART NO.	MFR. PART NO.	DESCRIPTION
865012	OSR-OSM-T-H	OptiSplice Ribbon Handheld Fusion Splicer with Cleaver, Thermal Stripper, (1) 12-Fiber Handlers, Heat-Shrink Oven, Carrying Case, and Detachable Splice Tray Holder/Screen Cover

## CORNING

CORNING  
LANscape®  
Solutions

### Hand-Held Test Equipment

Corning Cable Systems offers a wide variety of hand-held units for loss testing and trouble-shooting fiber optic cabling. The LTK and OTS Series loss test kits package a stabilized light source, matching optical meter jumper cables, and adapter in a transit case. These kits are a cost-effective solution for users who do or do not require data storage capabilities.



OTS-6MDSD



LTK-4MDSD



VFL-350

#### Features/Benefits

- Simple, easy operation
- Rugged, durable units designed for field use
- Multimode and/or singlemode dual wavelength testing
- Data storage for up to 900 readings available

CSC PART NO.	MFR. PART NO.	DESCRIPTION
807144	LTK-4MDSD	Power Meters/Optical Sources Test Kit — Standard SM/MM Loss Test Kit; OS-4MDSD and OM-410
842463	OTS-6MDSD	Power Meters/Optical Sources Test Kit — Premium SM/MM Intelligent Loss Test Kit; OS-4RMDSD and OM-610
<b>Accessories</b>		
588159	VFL-350	Handheld Visual Fault Locator, 635 nm Visible Red Light, 5km Range
785283	OA-ST	Extra ST Compatible Connector Adapter for Power Meter Port
785284	OA-SC	Extra SC Connector Adapter for Power Meter Port
733814	BFA-ST	ST Compatible Bare Fiber Adapter
569116	BFA-SC	SC Bare Fiber Adapter
865145	CASE-HH-400	Hard Shell Transit Case for Two Handheld Units

NOTE: Test Kits include everything needed for testing, packaged in a transit case. Available with different connector options. Source and meters are available separately; contact your local CSC Representative.

### OV-1000 Optical Time Domain Reflectometer (OTDR)

The OV-1000 Optical Time Domain Reflectometer (OTDR) provides testing flexibility by combining a rugged platform with field-interchangeable multimode, singlemode, and advanced testing modules. With an 80 MB internal flash memory that typically stores up to 1500 traces, the OV-1000 eliminates the need for a hard drive. If extra storage capacity is needed, the unit offers USB A/B ports and a compact flash slot. The OV-1000 also offers three OTDR test modules — Auto, Advanced, and Template Trace — thereby making the unit future-ready with the ability to accept protocol testing modules, such as Gigabit Ethernet.

#### Features/Benefits

- Accommodates up to two field-interchangeable modules, eliminating the need to change the modules as often
- Windows® CE-based technology with 4-second power-up time from sleep mode enables user to begin testing immediately
- 6.4" color liquid crystal display (LCD) is easily readable when testing indoors under artificial light and outdoors in the sunlight
- Touch screen keyboard eliminates the need for an external keyboard

CSC PART NO.	MFR. PART NO.	DESCRIPTION
823507	1000BK-MDSD	Basic Kit Includes Dual Multimode and Singlemode OTDR with SC and ST Compatible OTDR Port Adapters



## OV-Mini Optical Time Domain Reflectometer (OTDR)

Corning Cable Systems OV-Mini Optical Time Domain Reflectometer (OTDR) provides a rugged, handheld and lightweight solution for testing and troubleshooting fiber optic networks. This handheld OTDR gives the operator the flexibility of testing single-mode and 50 and 62.5 µm multimode systems with the same unit.

- OptiTest function enables One-touch testing for top user-friendliness
- USB port (memory-stick compatible) provides complete connectivity flexibility to allow for easy data transfer
- Large internal memory can store up to 500 results and eliminates the need for a hard drive, which can fail under extreme field conditions.
- Transreflective color display provides view clear results under bright sunlight
- Superior automated analysis better, easier and faster diagnosis
- Utilizes Windows® CE technology allowing for a faster power-up time of four seconds from sleep mode



CSC PART NO.	MFR. PART NO.	DESCRIPTION
866237	MiniBK	MiniBK Multimode/Single-mode OTDR with power supply, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST® Compatible OTDR port, cleaning supplies and soft carrying case.
865737	MiniDK	MiniDK Multimode/Single-mode OTDR with power meter and VFL, power supply, video inspection software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case.

### Accessories

866238	VIPROBE-DUAL	Video Inspection Probe Kit for use with OV-Mini, OV-1000 and OTS-600; 200x/400x magnification with coaxial lighting; includes bulkhead tip set for SC and FC and also universal 2.5 mm tips
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### OTDR Access Jumpers

762509	PTF-100M-6P5050	Portable Test Fiber Box, MM 62.5 µm fiber, ST® Compatible to ST Compatible, 100 m
792364	PTF-100M-6P3950	Portable Test Fiber Box, MM 62.5 µm fiber, SC to ST Compatible, 100 m
760010	PTF-100M-6P3939	Portable Test Fiber Box, MM 62.5 µm fiber, SC to SC, 100 m
866239	PTF-100M-5P5050	Portable Test Fiber Box, UniCam® Pretium® 300 Multimode, ST Compatible to ST Compatible, 100 m
866240	PTF-100M-5P3950	Portable Test Fiber Box, Pretium 300 Multimode, SC to ST Compatible, 100 m
866241	PTF-300M-SP5865	Portable Test Fiber Box, single-mode fiber, SC UPC to SC APC, 300 m
866242	PTF-300M-SP5454	Portable Test Fiber Box, single-mode fiber, FC UPC to FC UPC, 300 m
842337	PTF-300M-SP5858	Portable Test Fiber Box, single-mode fiber, SC UPC to SC UPC, 300 m
782252	PTF-300M-SP6161	Portable Test Fiber Box, single-mode fiber, ST Compatible UPC to ST Compatible UPC, 300 m

NOTE: Additional portable test fiber box configurations are available; contact your local CSC Representative for ordering information.

## Fiber Optic Splice and Test Equipment Rental Program

Renting fiber optic equipment is an attractive option to installers who require equipment for a particular installation or a small, one time job and it is an excellent way to evaluate new equipment before purchasing. Rental requires no capital expenditure and the rental cost can be expensed to each specific project

**Latest equipment technology**

**Next-day delivery**

**24-hour technical support**

### Fiber Optic Splice and Test Equipment Available:

- Optical Time Domain Reflectometers (OTDRs)
- Fusion Splicing
- Field Termination Tool Kits (UniCam®, Anaerobic)
- Installations Kits
- Test Sets
  - Miscellaneous Tools (Talk Sets, Cleavers, CheckPoint™, VFLs, Fiber Access Tools)



Product specification literature and rental policies are available, contact your local CSC Representative.





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