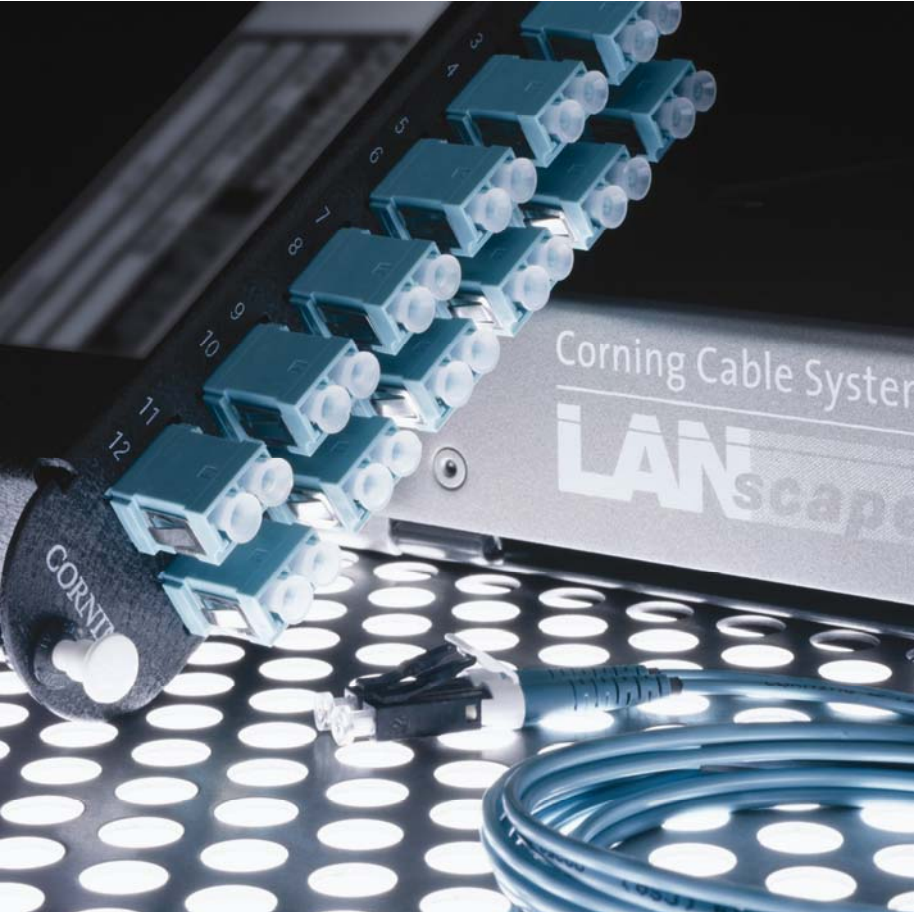# Plug & Play™ Universal Systems
for Data Centers and SANs

CORNING

Notes

Plug & Play™ Universal Systems Overview

A LANscape® Pretium™ Solutions Product

Applications

- Data Center LAN/SAN
- Enterprise building backbone
- Fiber-to-the-desk

Description

Corning Cable Systems Plug & Play™ Universal Systems are preterminated optical fiber cabling systems designed to dramatically streamline the process of deploying an optical networking infrastructure in the premises environment, particularly in data center applications. This innovative, value-added system significantly reduces installation time and cost. Modular, preterminated components of the system are simple to configure and can be installed, connected and operational in a fraction of the time when compared to using conventional, field-terminated methods. The system's polarity-maintaining modular components guarantee compatibility, flexibility and excellent system performance for all optical configurations. The universal wired modular components make networking moves, adds and changes simple, fast and easy to complete with minimum disruption to neighboring areas.

Features

- High-density ribbon cabling and MTP ® Connector-based trunking for space saving, convenient fiber deployment
- No special polarity components or polarity concerns during link configuration and reconfiguration
- Factory-generated solutions for improved system performance, component compatibility and consistent quality
- Universal wired modular system components enable fast and simple networking moves, adds andchanges without polarity concerns associated with special polarity-compensating components
- Universal wired Plug & Play Systems provide a simple migration path between 2-fiber and parallel applications
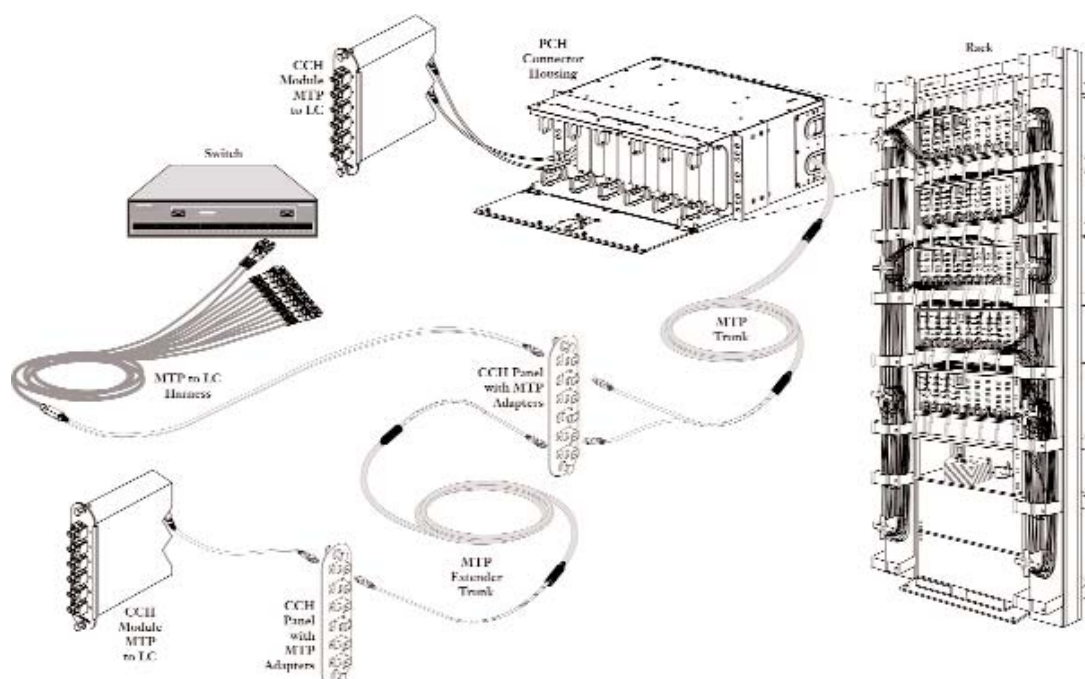
Plug & Play™ Universal Systems Overview

Installing the System

Preterminated 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 break-out modules or harnesses for a simple, fast, modular solution with easy scalability. Correct fiber polarity is guaranteed throughout the system link. Modules and harnesses conveniently load into LANscape® Solutions hardware.

With Corning Cable Systems Plug & Play™ Universal Sytems, there are only three steps required to install the optical network:

1. Pull the cable assembly
2. Mount the hardware
3. Plug in the connectors

There is no time-consuming fiber preparation and termination. There are no consumables or piece parts and no tools are needed other than a screwdriver. This is a differentiation to field-installed components. All cable assemblies are custom-built to each customer's design specifications.

Note: 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 such as placed in the trunk or module.

Plug and Play™ Universal System Trunks

The MTP Connector is a 12-fiber push/pull optical connector. These high-density connectors are used to significantly accelerate the network cabling process, minimize errors and reduce space. Plug & Play Universal Systems trunks utilizing MTP Connectors can support up to 216 fibers. The high-density MTP Connector allows the use of a compact, 12-fiber ribbon-based cable instead of a bulkier, simplex-style cable or several low-fiber-count cables. Up to 45 percent space savings and three times the fiber tray capacity can be achieved over traditional bulkier cabling solutions while minimizing cable tray weight and cooling air impediment.
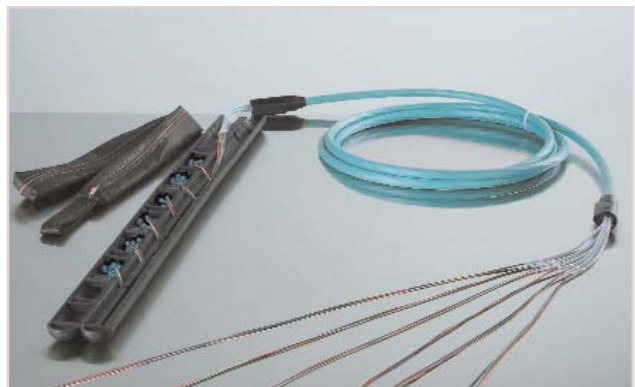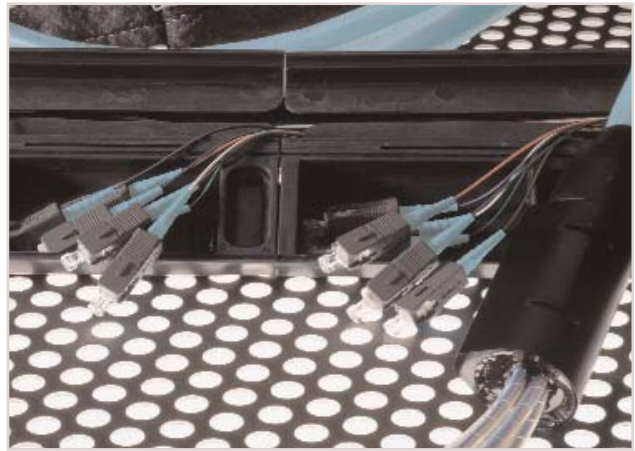
New enhanced trunk furcation plugs and pulling grips make the preterminated trunks easier and quicker to install than other preterminated fiber optic solutions. The new, reusable pulling grip has a smaller form factor design allowing for installations through smaller conduits and pathways. The pulling grip (for a limited number of cable designs) incorporates a new, quick entry zippered system to access the inner protective sleeve assembly. The clam-shell sleeve design offers unsurpassed connector protection and fast, intuitive access of the preterminated assembly for rapid network deployments.

New features in the trunk cable furcation plug allow easy integration into Corning Cable Systems hardware. Optional brackets are available for mounting the trunk furcation plug into racks and cabinets.

Plug & Play™ Universal Systems Overview
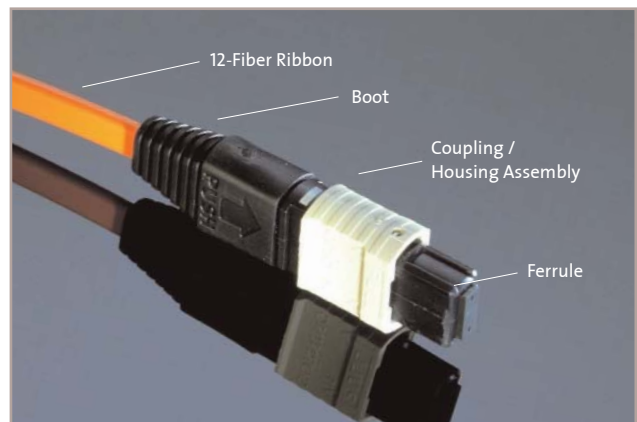
MTP® Connector

The MTP® Connector is a 12-fiber connector. Like MT-RJ 2-fiber connectivity, it can be used to speed up installation, minimize errors and reduce space. Plug & Play™ Systems utilizing MTP Connectors can support up to 144 fibers. This high-density connector type allows the use of a compact 12-fiber ribbon cable instead of bulkier simplex cable or several low-fiber-count cables. The MTP Connector on the trunk cable can be connected to the MTP Connector in the back of the Plug & Play Systems module. Plug & Play Systems Solutions are polarity-correct from the factory. The aligning mechanisms for the MTP Connectors are precision guide pins. Attempting to mate two pinned connectors or two non-pinned connectors is not possible. The Corning Cable Systems standard is non-pinned connectors on each end of a cable trunk (connector code 69, multimode, or 90, single-mode) and pinned connector inside the module.
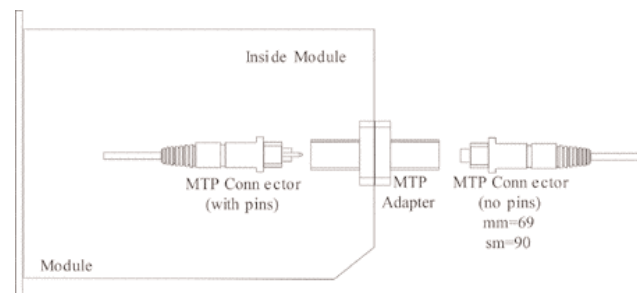
Extender Trunks

Plug & Play™ Universal Systems extender trunks are used to distribute portions or all of the fibers in a Plug & Play Universal Systems trunk to other areas in the infrastructure. For example, a large fiber count trunk can be deployed from a main distribution area to an intermediate distribution area. Extender trunks are manufactured with pinned MTP® Connectors on one end of the cable trunk and non-pinned MTP Connectors on the other end. The pinned MTP Connectors mate with the non-pinned connectors of the Plug & Play Universal Systems trunk and the non-pinned MTP Connectors are plugged into the Plug & Play Universal Systems module or Plug & Play Universal Systems harness.

Pulling Grips

Different sizes of protective pulling grips are utilized depending on the connector count and cable outside diameter. Pulling grips are rated to withstand pulling tensions up to 450 N (100 lbs). For technical questions contact Corning Cable Systems Application Engineering Services (emea.ae@corning.com).

MTP® Non-Pinned Connector

MTP® Connectors Mating Key Up to Key Down

Requirements

Connector Type	Fiber Count	Grip Outer Diameter	Minimum Duct Space Requirement
Single-Fiber	2-6	2.5 cm (1 in)	3.2 cm (1.2 in)
Single-Fiber or MTP	8-60	5.1 cm (2 in)	6.3 cm (2.5 in)
Single-Fiber or MTP	72-144	6.3 cm (2.5 in)	7.9 cm (3.1 in)

Note: Pulling grips are rated to withstand tensions up to 450 N (100 lbs)

Plug & Play™ Universal Systems Overview

A LANscape® Pretium™ Solutions Product

Specifications

Multimode Connectors

| Type | Code | Insertion Loss at 1300 nm (dB) 50/125 µm and 62.5/125 µm | | Durability (dB) | Construction | |
		Max.	Typical		Ferrule	Housing
SC PC	39	0.5	0.35	0.2	ceramic	composite
SC Duplex	57	0.5	0.35	0.2	ceramic	composite
ST® Compatible PC (plastic bayonet)	50	0.5	0.35	0.2	ceramic	composite
FC PC	17	0.5	0.35	0.2	ceramic	nickel, brass
E-2000™ PC	95	0.5	0.35	0.2	ceramic	composite
LC	03	0.5	0.35	0.2	ceramic	composite
LC Duplex	05	0.5	0.35	0.2	ceramic	composite
MTP® (Low-loss performance, non-pinned)	75	0.5	0.35	0.2	composite	composite
MTP (non-pinned)	69	0.75	0.5	0.2	composite	composite
MT-RJ (non-pinned)	97	0.5	0.3	0.2	composite	composite

Single-mode Connectors

| Type | Code | Insertion Loss at 1310 nm (dB) | | Durability (dB) | Reflectance (dB) | | Construction | |
		Max.	Typical		Typical	Guaranteed	Ferrule	Housing
SC Ultra PC	58	0.5	0.15	0.2	≤ - 59	≤ - 55	ceramic	composite
SC Angled PC	65	0.5	0.15	0.2	≤ - 75	≤ - 65	ceramic	composite
ST Compatible Ultra PC (plastic bayonet)	61	0.5	0.15	0.2	≤ - 59	≤ - 55	ceramic	composite
FC Ultra PC	54	0.5	0.15	0.2	≤ - 59	≤ - 55	ceramic	nickel, brass
FC Angled PC	21	0.5	0.15	0.2	≤ - 75	≤ -65	ceramic	nickel, brass
E-2000 UPC	20	0.5	0.15	0.2	≤ - 59	≤ - 55	ceramic	composite
E-2000 APC	19	0.5	0.15	0.2	≤ - 75	≤ - 65	ceramic	composite
LC UPC	02	0.5	0.1	0.2	≤ - 58	≤ - 55	ceramic	composite
LC Duplex	04	0.5	0.1	0.2	≤ - 58	≤ - 55	ceramic	composite
MT-RJ (non-pinned)	98	0.5	0.3	0.3	≤ - 53	≤ - 35	composite	composite
MTP (non-pinned)	90	0.75	0.5	0.2	≤ - 65	≤ - 55	composite	composite

Plug & Play™ Universal Systems
MTP® Trunks
A LANscape® Pretium™ Solutions Product

Ordering Information

MTP® Trunks

□	□□	□□	□□	□	□□	□	□	U	□□□	□
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**		**9**	**10**

1 Select grip application.
A = Grip on first end only
B = Grip on both ends
N = No grip

2 Select MTP connector type on the first end.

Single-mode MTP
90 = MTP, non-pinned

Multimode MTP
69 = MTP, standard performance, non-pinned
75 = MTP, low-loss performance, non-pinned*

3 Select MTP connector type on the second end.
Use options from item 2.

4 Select standard fiber count.
12 = 12-fiber
24 = 24-fiber
36 = 36-fiber
48 = 48-fiber
72 = 72-fiber
96 = 96-fiber
E4 = 144-fiber

5 Select fiber type.
Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

6 Select cable type.
(12, 24, 36, 48, 72, 96 and 144 fibers)
CZ = LSZH/FRNC Ribbon

Note: Jacket color by fiber type:
K & C = Orange, S & Y = Aqua, R = Yellow

7 Select trunk furcation leg length on the first end.

A = 600 mm leg length
(+70 mm/ - 0 mm)
B = 1000 mm leg length
(+70 mm/ - 0 mm)

Note: Ribbon furcation legs are color coded by fiber type: K & C = Orange, S & Y = Aqua, R = Yellow

8 Select trunk furcation leg length on second end.
Use options from item 7.

9 Select cable length.
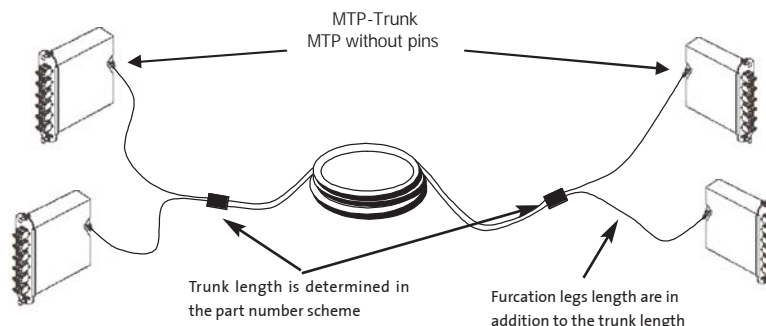Assembly lengths are measured from furcation point to furcation point.

1-999 (Tolerance +3 m / -0m)

10 Select unit of measurement.
F = Feet
M = Meters

Example

| Order Number	Description
B696924SCZAAU030M	Universal MTP trunk, MTP non-pinned to MTP non-pinned, 24 fiber, InfiniCor OM3 (50/125 µm) Pretium 300 ribbon cable, FRNC, 600 mm furcated legs on both sides, 30 meters long (furcation point to furcation point), aqua jacket, pulling grips on both ends

MTP-Trunk
MTP without pins

Trunk length is determined in the part number scheme

Furcation legs length are in addition to the trunk length

With Pretium fiber only - available only on PVC cables. For non-standard products, please contact customer service

Plug & Play™ Universal Systems
MTP® Extender Trunks

A LANscape® Pretium™ Solutions Product

Ordering Information

MTP® Extender Trunks

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | X | 9 | 10 |
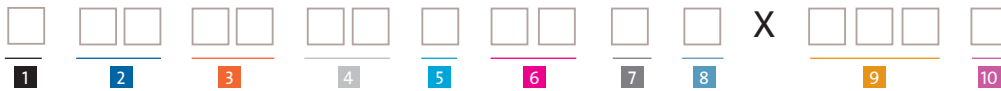
Please note: Extender Trucks have pinned MTPs on one end and non-pinned MTPs on the other end. Alignment of the MTP is achieved when mating a pinned MTP to a non-pinned MTP. Attempting to mate two pinned MTPs or two non-pinned MTPs is not possible.

1 Select grip application.
A = Grip on first end only
B = Grip on both ends
N = No grip

2 Select MTP connector type on the first end.

Single-mode MTP
89 = MTP, pinned

Multimode MTP
70 = MTP, standard performance, pinned
93 = MTP, low-loss performance, pinned*

3 Select MTP connector type on the second end.

Single-mode MTP
90 = MTP, non-pinned
Multimode MTP
69 = MTP, standard performance, non-pinned
75 = MTP, low-loss performance, non-pinned*

4 Select standard fiber count.
12 = 12-fiber
24 = 24-fiber
36 = 36-fiber
48 = 48-fiber
72 = 72-fiber
96 = 96-fiber
E4 = 144-fiber

5 Select fiber type.
Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

6 Select cable type.
(12, 24, 36, 48, 72, 96 and 144 fibers)

CZ = LSZH/FRNC Ribbon
Note: Jacket color by fiber type:
K & C = Orange, S & Y = Aqua, R = Yellow

7 Select trunk furcation leg length on the first end.

A = 600 mm leg length (+70 mm/ -0 mm)
B = 1000 mm leg length (+70 mm/ -0 mm)

Note: Furcation legs color coded by fiber type:
K & C = Orange, S & Y = Aqua, R = Yellow

8 Select trunk furcation leg length on second end.

Use options from item 7.

9 Select cable length.

Assembly lengths are measured from furcation point to furcation point.

1-999 (Tolerance +3 m / -0m)

10 Select unit of measurement.

F = Feet
M= Meters

Example

Order Number	Description
A697036SCZABX030M	MTP Extender Trunk, MTP non-pinned to MTP pinned, 36-fiber, InfiniCor OM3 (50/125 µm) Pretium 300 ribbon FRNC cable, 600 mm furcated legs on MTP non-pinned side, 1000 mm furcated legs on MTP pinned side, 30 meters long (furcation point to furcation point), aqua jacket, pulling grip on MTP non-pinned side only
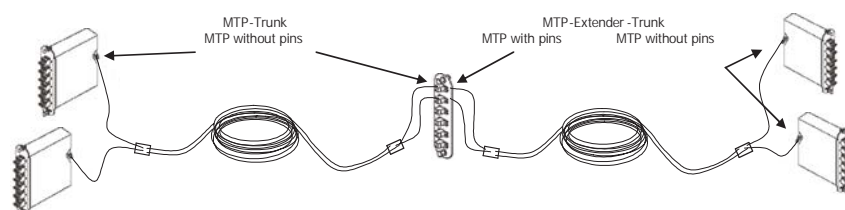
With Pretium fiber only - available only on PVC cables. For non-standard products, please contact customer service.

Plug & Play™ Universal Systems Closet Connector Housing (CCH) Modules

A LANscape® Pretium™ Solutions Product

Application

Corning Cable Systems Plug & Play™ Universal Systems CCH Modules are used to break out the 12-fiber MTP® Connectors terminated on trunk cables into simplex or duplex style connectors. Simplex- and duplex-style jumpers can then be used to patch into system equipment ports, patch panels, or client outlets.

Description

The module features simplex or duplex port adapters across the front and one or two MTP Connector adapters across the back. A factory-installed and tested optical fiber assembly inside the module connects the front adapters to the back MTP Connector adapter(s). The modules fit into standard Corning Cable Systems LANscape® Solutions hardware and are available with 12-fiber configurations for ST ® compatible, LC or SC duplex connectors and 24-fiber configurations for LC duplex and MT-RJ connectors.

The modules' new reduced-depth footprint provides added room for routing cables into the back of hardware and also provides a solution for shallow, raised-floor boxes. Using modules provides adaptability for the changing data center environment. Facing technology upgrade frequencies of 12-18 months, using Plug & Play™ Universal Systems CCH modules in the data center offers the advantage of greater manageability since CCH modules can easily be swapped out with new CCH modules when future connector requirements change, leaving the existing trunk cable structure in place.

Note: Plug & Play Universal Systems CCH modules 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 such as placed in the trunk or module.

CCH Reduced-Depth Module, 24-fiber, LC duplex, OM3 (CCH-UM24-05-70S)

Plug & Play™ Universal Systems
Closet Connector Housing (CCH) Modules

A LANscape® Pretium™ Solutions Product

Specifications

Please note: CCH Modules are not compatible with HDH Hardware. CCH Modules contain fibers configured in the Univeral wiring scheme and must be used in conjunction with Plug & Play Universal MTP Trunks.

Type	Parameter	Specification
Low-loss Performance Modules*	Module Loss	0.75 dB max (all fibers) at 850/1300 nm (with Pretium fiber only)
Standard Performance Multimode Modules	Module Loss	1.3 dB max (all fibers) at 850/1300 nm
Standard Performance Single-mode Modules	Module Loss	1.3 dB max (all fibers) at 1310 nm

Ordering Information

CCH - UM ☐☐ - ☐☐ - ☐☐ - ☐
    1   **2**   **3** **4**

1 **Select fiber count.**
12 = 12 fibers
24 = 24 fibers

2 **Select adapters on module front.**

ST Compatible°
50 = ST compatible, multimode
61 = ST, UPC, single-mode
(Max. 12 fibers)

SC Duplex
72 = SC Duplex UPC, single-mode
57 = SC Duplex, multimode
(Max. 12 fibers)

LC Duplex
05 = LC Duplex, multimode
04 = LC Duplex, single-mode

MT-RJ
86 = MT-RJ, multimode, pinned
87 = MT-RJ, single-mode, pinned

3 **Select MTP adapter on module back.**
70 = MTP, standard performance multimode, pinned
89 = MTP, standard performance, single-mode, pinned
93 = MTP, low-loss performance multimode, pinned*

4 **Select fiber type.**
Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

Examples

Order Number	Description
CCH-UM12-05-70S	CCH Module, 12 fiber, LC Duplex adapter on the module front, MTP pinned on the module back, InfiniCor OM3 (50/125 µm) Pretium 300 multimode fiber

Accessories

Order Number	Description
RMB-01P	Wall-Mountable Bracket for one CCH module
RMR-01U	Rack-Mountable Bracket, 1U for one CCH module
CPP-01U-PNL	Rack-Mountable Bracket, 1U for two CCH modules
CPP-02U-PNL	Rack-Mountable Bracket, 2U for four CCH modules

Low-loss multimode performance is offered only with SC and LC connectors and Pretium fiber. Available only on PVC cables.
For non-standard products, please contact customer service

Plug & Play™ Universal Systems Harness Assemblies

A LANscape® Pretium™ Solutions Product

Plug & Play Universal Systems Harness Assembly

Application

Corning Cable Systems Plug & Play Universal Systems Harness Assemblies are targeted for data center and higher fiber-count telecommunications systems where there is no room to mount interconnect hardware into racks or cabinets, or pathway space in these is limited. They are used to break out the 12-fiber MTP® Connectors terminated on trunk cables into simplex- or duplex-style connectors which can connect directly to the electronics.

Description

Plug & Play Universal Systems harness assemblies have a pinned MTP Connector on one end that connects to a Plug & Play Universal Systems trunk. The other end is equipped with simplex- or duplex-style connectors and is designed to accommodate many ranges of leg length requirements to ease fiber routing for direct conection to the electronics. In the case of MT-RJs, non-pinned versions are offered for compatibility with the electronics.

Features

- The 2.0 mm legs for single-fiber connectors provide a more rugged solution than products with 900 μm legs
- Used with the Plug & Play Universal Systems trunks or extender trunks, they provide quick installation in applications where ruggedized legs are needed for direct installation into electronic equipment
- They provide a routing solution that is less dense than traditional jumpers since the ribbon cable end of the harness that routes through the rack or cabinet is much smaller than the equivalent six 2-fiber patch cords

Plug & Play™ Universal Systems Harness Assemblies

A LANscape® Pretium™ Solutions Product

Corning Cable Systems
LANscape PRETIUM
THE PREMIER SOLUTION

Specifications

Type	Parameter	Specification
Low-loss Performance Multimode Harness*	Harness Loss	0.75 dB max (all fibers) at 850/1300 nm (with Pretium fiber only)
Standard Performance Multimode Harness	Harness Loss	1.3 dB max (all fibers) at 1300 nm
Standard Performance Single-mode Harness	Harness Loss	1.3 dB max (all fibers) at 1310 nm

Ordering Information

H ☐☐ ☐☐ ☐☐ ☐ ☐☐ ☐ Z 0 ☐☐ ☐
  1   **2**   **3**   **4**   **5**   **6**   **7**   **8**

1 Select MTP® connector.

70 = MTP, standard performance, multimode, pinned
89 = MTP, single-mode, pinned
93 = MTP low-loss performance, multimode, pinned*

2 Select the breakout connector type.

ST Compatible®
50 = ST, multimode
61 = ST UPC, single-mode
SC Duplex
57 = SC Duplex, multimode
72 = SC Duplex UPC single-mode
LC
05 = LC Duplex, multimode
04 = LC Duplex, single-mode
MT-RJ
97 = MT-RJ, multimode, non-pinned
98 = MT-RJ, single-mode, non-pinned

3 Select fiber count.

04 = 4-fiber
08 = 8-fiber
12 = 12-fiber

Note: if fiber count is less than 12, only middle fibers of MTP connector are terminated

4 Select fiber count.

Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

5 Select ribbon cable type.

JZ = 12-fiber ribbon interconnect RIC FRNC
J1 = 12-fiber ribbon interconnect RIC Riser

6 Select the break-out connector leg length (leg furcation diameter is 2.0 mm)

J = 300 mm (+70/-0)
K = 600 mm (+70/-0)
L = 1000mm (+70/-0) - Standard
M = 1200 mm (+70/-0)
N = 1500 mm (+70/-0)
P = 1800 mm (+70/-0)

7 Select overall length.

01-30

8 Select unit of measure.

F = Feet
M = Meters

With Pretium fiber only - availbale only on PVC cables. Low-loss multimode performance is offered only with SC and LC connectors and Pretium fiber. For non-standard products, please contact customer service

Example

Order Number	Description
H700512SJZLZ005M	Harness Assembly, MTP pinned to LC Duplex, 12 fiber, InfiniCor OM3 (50/125 µm) Pretium 300 ribbon interconnect FRNC cable, 1000 mm furcated legs, 5 meters long (tip-to-tip), aqua jacket

Accessories

CPP-01U-PNL	1U Bracket that holds two CCH panels or modules; occupies one 1.75 in (4.45 cm) vertical rack space and can be used with standard 19-in equipment racks
CPP-02U-PNL	2U Bracket that holds four CCH panels or modules; occupies two 1.75 in (4.45 cm) vertical rack spaces and can be used with standard 19-in equipment racks
CCHE-CP72-E3	CCH Connector Panel with six MTP Connector adapters
CCHE-CPE4-69	CCH Connector Panel with 12 MTP Connector adapters

2.0 mm legs

/------------------------- Leg Length-------------------------------/

/-- Overall Length--/
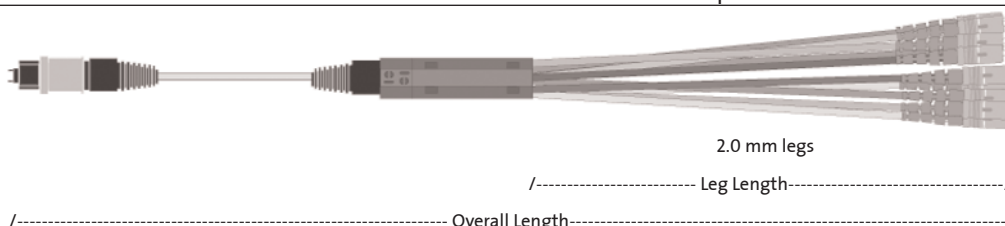
Plug & Play™ Universal Systems
MTP® Hybrid Trunks

A LANscape® Pretium™ Solutions Product

MTP® Hybrid and Hybrid Extender Trunks

Plug & Play™ Universal Systems hybrid trunks are terminated with MTP® Connectors on one end of the trunk and simplex- or duplex-style connectors on the other end for applications requiring one end of the trunk system to connect directly into system equipment ports or patch panels. Both Plug & Play Universal Systems trunks and extender trunks are available in hybrid connector options.

Ordering Information

MTP® Hybrid Trunking System

☐ ☐☐ ☐☐ ☐☐ ☐ ☐☐ ☐ ☐ **W** ☐☐☐ ☐

1   **2**   **3**   **4**   **5**   **6**   **7**   **8**   **9**   **10**

W = Universal Hybrid Connector Base Trunk.

1 **Select grip application.**
A = Grip on first end only *(Grip placed over connector on the first end as defined in step 2. MTP end is recommended on the first end if "A" is selected)*
B = Grip on both ends
N = No grip

2 **Select MTP connector on first end.**

Single-mode MTP
90 = MTP, non-pinned
Multimode MTP
69 = MTP, standard performace, non-pinned
75 = MTP, low-loss performace, non-pinned*

3 **Select the connector on second end.**

ST Compatible®
50 = ST, multimode
61 = ST, UPC, single-mode
SC Duplex
57 = SC Duplex, multimode
72 = SC Duplex, UPC, single-mode
LC Duplex
05 = LC Duplex, multimode
04 = LC Duplex, single-mode
MT-RJ
86 = MT-RJ, multimode, pinned
87 = MT-RJ, single-mode, pinned

4 **Select standard fiber count.**
12 = 12-fiber   72 = 72 fiber
24 = 24 fiber   96 = 96 fiber
36 = 36 fiber   E4 = 144 fiber
48 = 48 fiber

5 **Select fiber type.**
Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

6 **Select cable type.**
(12, 24, 36, 48, 72,96, and 144 fibers)
CZ= Low-smoke, zero-halogen, ribbon

7 **Select leg type on first end.**

A = 600 mm, (+70/-0)
B = 1000 mm, (+70/-0)

Furcation legs are coded by fiber type:
K & C = Orange, S & Y = Aqua, R = Yellow

8 **Select leg type on second end (fan-out connector end).**

(900 µm diameter legs available up to 144 fibers)
E = 300 mm, (+70/-0)
F = 600 mm, (+70/-0)
G = 1000 mm, (+70/-0)
H = 1200 mm, (+70/-0)

(2.0 mm diameter legs available up to 24 fibers)
J = 300 mm, (+70/-0)
K = 600 mm, (+70/-0)
L = 1000 mm, (+70/-0)
M = 1200 mm, (+70/-0)

9 **Select cable length (measured from furcation point to furcation point).**

1-999 (Tolerance +3m/-0m)

10 **Select unit of measurement.**

F = Feet
M = Meters

Examples

Order Number	Description
A907248SCZAGW040M	MTP Hybrid Trunk, MTP non-pinned to SC duplex UPC, 48 fiber, InfiniCor OM3 (50/125 µm) Pretium 300 ribbon cable FRNC, 600 mm furcated legs on MTP side, 1000 mm long 900 µm furcated legs on SC duplex side, 40 m long (furcation point to furcation point), aqua jacket, grip on MTP side

Low-loss multimode performance is offered only with SC and LC connectors and Pretium fiber. Availbale only on PVC cables. For non-standard products, please contact customer service
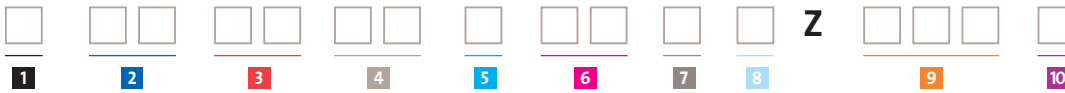
Plug & Play™ Universal Systems
MTP® Hybrid Trunks

A LANscape® Pretium™ Solutions Product

Corning Cable Systems
LANscape
PRETIUM
THE PREMIER SOLUTION

Ordering Information

MTP® Hybrid Extender Trunks

								Z		
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**		**9**	**10**

Please note: Hybrid Universal Extender Trunks have pinned MTPs on one end and single-fiber connectors on the other end on the other end. Alignment of the MTP is achieved when mating a pinned MTP to a non-pinned MTP. Attempting to mate two pinned MTPs or two non-pinned MTPs is not possible.

1 Select grip application.
A = Grip on first end only *(Grip placed over connector on first end as defined in step 2. MTP is recommended on the first end if "A" is selected)*
B = Grip on both ends
N = No grip

2 Select MTP connector on first end.

Single-mode MTP
89 = MTP, pinned
Multimode MTP
70 = MTP, standard performance, pinned
93 = MTP, low-loss performance, pinned*

3 Select the connector on second end.

ST Compatible®
50 = ST, multimode
61 = ST, UPC, single-mode

SC Duplex
57 = SC Duplex, multimode
72 = SC Duplex, UPC, single-mode

LC Duplex
05 = LC Duplex, multimode
04 = LC Duplex, single-mode

MT-RJ
86 = MT-RJ, multimode, pinned
87 = MT-RJ, single-mode, pinned

4 Select standard fiber count.
12 = 12-fiber
24 = 24 fiber
36 = 36 fiber
48 = 48 fiber
72 = 72 fiber
96 = 96 fiber
E4 = 144 fiber

5 Select fiber type.
Y = InfiniCor OM3+ (50/125 µm) Pretium 550
S = InfiniCor OM3 (50/125 µm) Pretium 300
C = InfiniCor OM2 (50/125 µm)
K = InfiniCor OM1 (62.5/125 µm)
R = Single-mode OS1 (9/125 µm)

6 Select cable type.
(12, 24, 36, 48, 72, 96, and 144 fibers)
CZ = Low-smoke, zero-halogen, ribbon

7 Select leg type on first end.

A = 600 mm, (+70/-0)
B = 1000 mm, (+70/-0)
Furcation legs are coded by fiber type:
K & C = Orange, S & Y = Aqua, R = Yellow

8 Select leg type on second end (fan-out connector end).

(900 µm diameter legs available up to 144 fibers)
E = 300 mm, (+70/-0)
F = 600 mm, (+70/-0)
G = 1000 mm, (+70/-0)
H = 1200 mm, (+70/-0)

(2.0 mm diameter legs available up to 24 fibers)
J = 300 mm, (+70/-0)
K = 600 mm, (+70/-0)
L = 1000 mm, (+70/-0)
M = 1200 mm, (+70/-0)

9 Select cable length (measured from furcation point to furcation point).
1-999

10 Select unit of measurement.
F = Feet
M = Meters

Examples

Order Number	Description
N700524SCZALZ030M	MTP Hybrid Extender Trunk, MTP pinned to LC Duplex, 24 fiber, InfiniCor OM3 (50/125 µm) Pretium 300 ribbon FRNC cable, 600 mm furcated legs on MTP side, 1000 mm meter long 2.0 mm furcated legs on LC duplex side, 30 m long (furcation point to furcation point), aqua jacket, no pulling grip

Low-loss multimode performance is offered only with SC and LC connectors and Pretium fiber. Availbale only on PVC cables. For non-standard products, please contact customer service
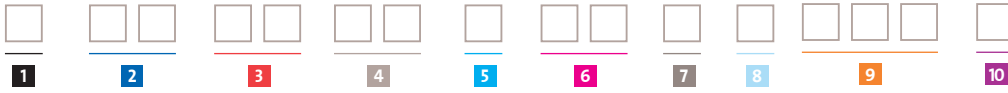
Plug & Play™ Universal Systems Single-Fiber or MT-RJ Trunks

A LANscape® Pretium™ Solutions Product

Corning Cable Systems
LANscape®
PRETIUM
THE PREMIER SOLUTION

Ordering Information

Single-Fiber or MT-RJ Trunks

[1] [2][2] [3][3] [4][4] [5] [6][6] [7] [8] [9][9][9] [10]

1 Select grip application.
A = Grip on first end only *(Grip placed over connector on first end as defined in step 2)*
B = Grip on both ends
N = No grip

2 Select the connector on first end.

ST Compatible
50 = ST, multimode
61 = ST, UPC single-mode

SC Duplex
57 = SC Duplex, multimode
72 = SC Duplex, UPC, singlemode

LC Duplex
05 = LC Duplex, multimode
61 = LC Duplex, single-mode

MT-RJ
86 = MT-RJ, multimode, pinned
87 = MT-RJ, single-mode, pinned

3 Select the connector on second end. Please use code from item 2.

4 Select standard fiber count.
12 = 12-fiber
24 = 24-fiber
36 = 36-fiber
48 = 48-fiber
72 = 72-fiber
96 = 96-fiber
E4 = 144-fiber

5 Select fiber type.
Y = InfiniCor OM3+ (50/125 μm) Pretium 550
S = InfiniCor OM3 (50/125 μm) Pretium 300
C = InfiniCor OM2 (50/125 μm)
K = InfiniCor OM1 (62.5/125 μm)
R = Single-mode OS1 (9/125 μm)

6 Select cable type.
8Z = Indoor, i-MIC, FRNC (900 μm diameter legs, 6-24 fibers)
UZ = Indoor Loose Tube, FRNC (900 μm diameter legs, 36-144 fibers)
XZ = Indoor Central Tube, FRNC (2.0 mm diameter legs, only available up to 24 fibers)

7 Select trunk furcation length on first end.

(900 μm diameter legs available up to 144 fibers)
E = 300 mm, (+70/-0)
F = 600 mm, (+70/-0)
G = 1000 mm, (+70/-0)
H = 1200 mm, (+70/-0)

(2.0 mm diameter legs available up to 24 fibers)
J = 300 mm, (+70/-0)
K = 600 mm, (+70/-0)
L = 1000 mm, (+70/-0)
M = 1200 mm, (+70/-0)

8 Select leg type on second end. Please use code from item 7.
Furcation legs are coded by fiber type:
K & C = orange, S = aqua, R = yellow

9 Select cable length (measured from furcation point to furcation point).
1-999

10 Select unit of measurement.
F = Feet
M = Meters

## Example

Order Number	Description
A055724S8ZLG100M	Single-fiber connector trunk, LC Duplex to SC Duplex, 24 fiber, InfiniCor OM3 (50/125 μm) Pretium 300 central tube FRNC cable, 1000 mm long, 2.0 mm diameter furcated legs on LC Duplex side, 1000 mm long 900 μm diameter furcated legs on the SC Duplex side, 100 meters long (furcation point to furcation point), aqua jacket, pulling grip on LC Duplex side

Single fiber -Trunk
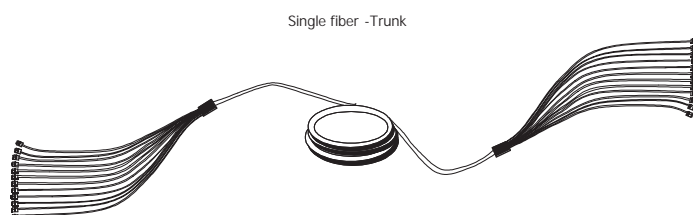
For non-standard products, please contact Customer service

For further product and application information please contact Corning Cable Systems at one of the following locations:

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