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.
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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.

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

Ordering Information

CCH - UM 12 - 24 - 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

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCH-UM12-05-70S</td>
<td>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</td>
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</tbody>
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Accessories

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<tr>
<th>Order Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>RMB-01P</td>
<td>Wall-Mountable Bracket for one CCH module</td>
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<tr>
<td>RMR-01U</td>
<td>Rack-Mountable Bracket, 1U for one CCH module</td>
</tr>
<tr>
<td>CPP-01U-PNL</td>
<td>Rack-Mountable Bracket, 1U for two CCH modules</td>
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<tr>
<td>CPP-02U-PNL</td>
<td>Rack-Mountable Bracket, 2U for four CCH modules</td>
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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.