Closet Connector Housings (CCH)

Designed based on thousands of hours of customer feedback, Corning closet connector housings (CCHs) offer more than two dozen innovative features that make installation and troubleshooting of fiber optic connectivity faster, easier and more cost-effective. From fiber and cable routing and strain-relief to port labeling and termination, these housings reduce the risk of error that can disrupt networks.

page 3

page 7

page 5

page 12

LANscape® Solutions
| Photo MM003

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Closet Connector Housings (CCH)

Features and Benefits

Interconnect and cross-connect capability
Ideal for field connectorization

Removable, translucent top covers (1U, 2U, 3U), removable rear cover (4U)
Visibility and ease of access for installation, testing, and troubleshooting

Internal and external strain-relief options
Flexibility for installation and moves, adds, and changes (MACs)

Accepts panels, modules, and cassettes
Variety of field-termination options

Adaptable to use as a modular splice housing
Splices are stored and protected in same footprint
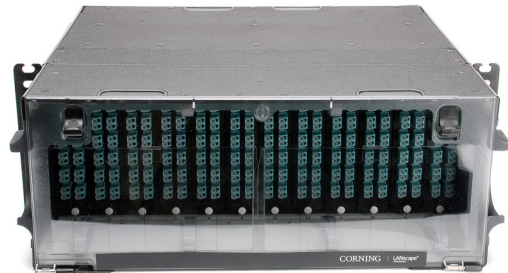
Closet Connector Housings (CCH)

Corning closet connector housings (CCHs) provide interconnect or cross-connect capabilities between outside plant, riser or distribution cables and opto-electronics. Like all LANscape® solutions hardware, the housings accept CCH connector panels. In addition, the housings accept CCH cassettes and CCH modules.
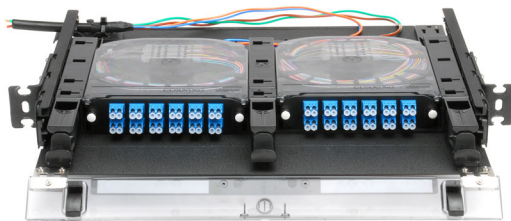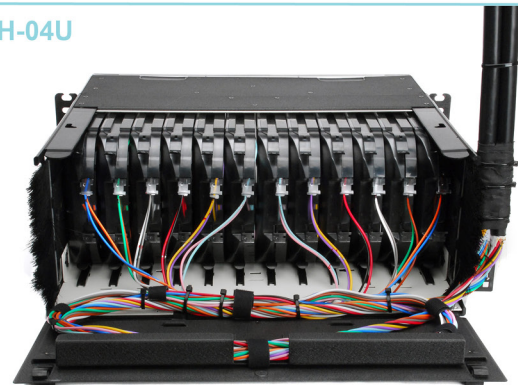
Specifications

CCH-01U
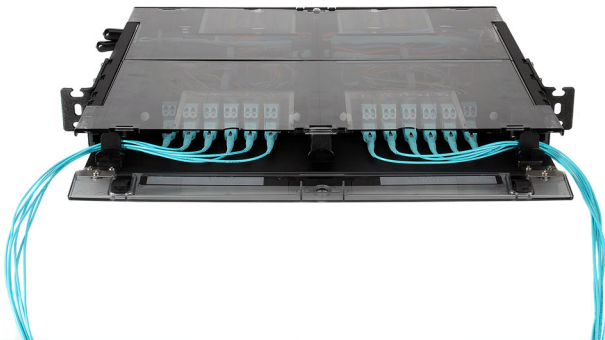
CCH-04U

CCH-01U

CCH-04U

CCH-01U and CCH-04U Closest Connector Housings pictured open and closed
| Photo (top left to bottom right) LAN2455, LAN2621, LAN2363, LAN2555

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Closet Connector Housings (CCH)

A LANscape® Pretium® Solutions Product

The units are designed for rack mounting in 19-in (48 cm) racks or optional 23-in (58 cm) equipment racks (1.75-in EIA hole spacing). They are available in rack space options of 1U (two panels, cassettes or modules), 2U (four panels, cassettes or modules), 3U (six panels, cassettes or modules) and 4U (12 panels, cassettes or modules). The 1U, 2U and 3U options feature a slide-out tray and see-through, removable top covers. The CCH-04U features a clear door, removable front and rear enclosures and a platinum-colored interior for maximum visibility and access.

Documentation labels are provided, and components can be added as needed to construct a fiber distribution frame for any application. All housings include a removable tinted polycarbonate front door. All housings have field-installable lock kits available for both front and rear doors.

Every CCH housing is shipped complete with strain-relief brackets, routing clips and guides and mounting brackets for proper installation.
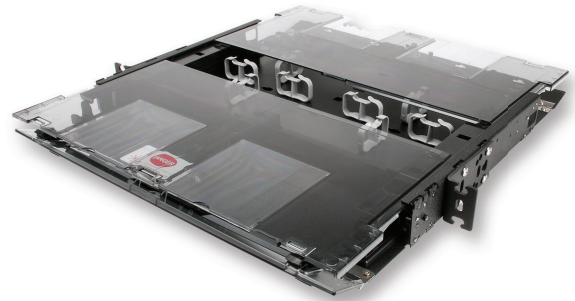
CCH-01U with Translucent Top (covers partially open) | Photo LAN2337
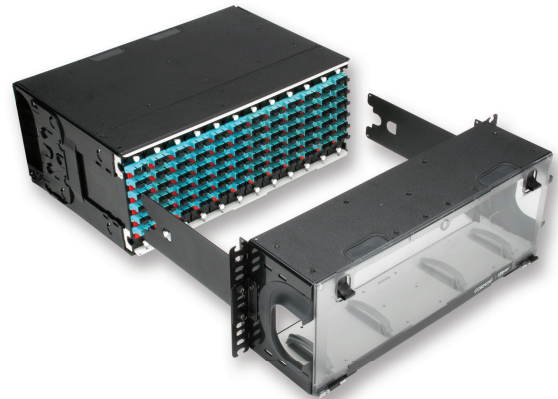
Ordering Information

Part Number	Dimensions (HxWxD)	Operation	Shipping Weight
CCH-01U	4.4 cm x 48.3 cm x 43 cm (1.75 in x 19 in x 17 in)	-40 °C to 70 °C	4.5 kg (10 lb)
CCH-02U	8.9 cm x 48.3 cm x 43 cm (3.5 in x 19 in x 17 in)	-40 °C to 70 °C	5.4 kg (12 lb)
CCH-03U	13.3 cm x 48.3 cm x 43 cm (5.25 in x 19 in x 17 in)	-40 °C to 70 °C	6.4 kg (14 lb)
CCH-04U	17.8 cm x 48.3 cm x 43 cm (7 in x 19 in x 17 in)	-40 °C to 70 °C	7.5 kg (17 lb)

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Closet Connector Housings (CCH)

Closet Connector Housings (CCH)

Closet Connector Housings (CCH)		
Part Number	Description	Units per Delivery
CCH-01U	Closet Connector Housing; accepts up to two CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	1/1
CCH-02U	Closet Connector Housing; accepts up to four CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	1/1
CCH-03U	Closet Connector Housing; accepts up to six CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	1/1
CCH-04U	Closet Connector Housing; accepts up to 12 CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	1/1

Note: If you need the previous CCH housing (pre-January 2012), see LAN-1392-EN.

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Closet Connector Housings (CCH)

CCH Splice Cassettes

CCH splice cassettes enable fast field termination and easy modular management of connectorization within the housing.

The CCH splice cassette supports fusion splicing of individual or ribbon fibers, with heat-shrinks, pigtail slack and cable slack managed within a single space-saving footprint. This eliminates the need for individual splice trays or separate splice housings as well as allowing splicing to be done away from the rack housing in a suitable workspace as needed. The modular design makes it easy to access the fiber in an individual cassette without disturbing other fibers in the housing. A CCH panel with the desired adapter configuration can be ordered separately and fits easily into the cassette.

Each cassette is shipped with one rail for use with CCH–01U/2U/3U housings, and two rails used with CCH–04U and the WCH-02P/4P/6P housings. Grommets and cable ties for strain relief, and protective braided tubing for incoming cable are also included. Splicing cassettes ship with 12 single fiber heat–shrink splice protectors.

CCH Splice Cassette
| Photo LAN2452

Part Number	Dimensions (L x W x D)	Operation	Shipping Weight
CCH-CS	162.0 mm x 35.0 mm x 200.0 mm (6.4 in x 1.4 in x 7.9 in)	-40 °C to 70 °C	0.5 kg (1.0 lb)

Part Number	Description	
CCH-CS	CCH splicing cassette; accepts one CCH panel and up to 24 single-fiber or six ribbon heat-shrink splice protectors, comes with 12 single-fiber heat-shrink splice protectors, grommets and cable ties for strain-relief, protective braided tubing, one rail for use with CCH-01U/2U/3U	

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Closet Connector Housings (CCH)

CCH Termination Cassettes

A CCH termination cassette option with no splice tray, suitable for use with field-installable connectors, is also available. The termination cassette is an economical way to provide modularity, segregation and added protection and security to your direct-terminated fibers inside any of the four CCH housing options.

Each cassette is shipped with one rail for use with CCH-01U/2U/3U housings and two rails used with CCH-04U and the WCH-02P/4P/6P housings. Grommets and cable ties for additional strain-relief and protective tubing for incoming cable are also included.

CCH Termination Cassette
| Photo LAN2984

Part Number	Dimensions (L x W x D)	Operation	Shipping Weight
CCH-CF	162.0 mm x 35.0 mm x 200.0 mm (6.4 in x 1.4 in x 7.9 in)	-40 °C to 70 °C	0.5 kg (1.0 lb)

Part Number	Description	
CCH-CF	CCH termination cassette; accepts one CCH panel and provides modular termination cassette for direct factory or field termination of incoming (e.g. distribution) cables, comes with grommets and cable ties for strain-relief, protective braided tubing, one rail for use with CCH-	

CORNING

Closet Connector Housings (CCH)

CCH Pigtailed Cassettes

CCH pigtailed splice cassettes enable faster field splicing and easy modular management of connectorization within the housing.

The CCH pigtailed splice cassettes are preloaded and pre-routed for quick fusion splicing of either individual or ribbon fiber pigtails, using the same space-saving platform as the standard CCH splice cassette.

Pre-routed pigtailed cassettes reduce field labor by streamlining the features and components of the pigtail cassette to allow for efficiencies in the field. They are loaded with a pigtail assembly and a CCH connector panel. The pigtails, with 900 µm protection at the connector panel for added durability, are routed into the splice tray layer where they transition to either 250 µm fiber or bare ribbon (depending on the splicing method desired) for ease of splicing.

The pigtailed cassette eliminates the need for individual splice trays or separate splice housings as well as allowing splicing to be done away from the rack housing in a suitable workspace as needed. The modular design makes it easy to access the fiber in an individual cassette without disturbing other fibers in the housing.

Each cassette is shipped with the CCH connector panel and choice of pigtails, single-fiber or ribbon, one rail for use with CCH-01U/2U/3U housings, and two rails used with CCH-4U and the WCH-02P/4P/6P housings. Grommets and cable ties for additional strain-relief and protective tubing for incoming cable are also included. Splicing cassettes ship with the appropriate number and type of fiber heat-shrink splice protectors.

CCH Pigtailed Cassette
| Photo LAN2741
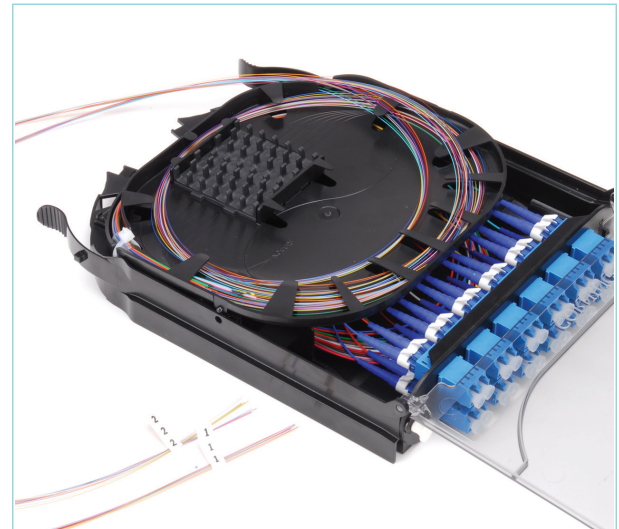
CCH Pigtailed Cassette
| Photo LAN2593

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Closet Connector Housings (CCH)

CCH Pigtailed Cassettes
(continued)

Optical Characteristics		
Part Number	Module Insertion Loss, Typical (by 1300 nm)	Module Insertion Loss, Maximum (by 1300 nm)
Pigtailed Splice Cassettes, Multimode	0.35 dB	0.5 dB
Pigtailed Splice Cassettes, Single-mode	0.15 dB	0.4 dB

Shipping Information			
Part Number	Dimensions (L x W x D)	Operation	Shipping Weight
CCH-CS Dimensions and Temperature Range	162 mm x 35 mm x 200 mm (6.4 in x 1.4 in x 7.9 in)	-40 °C to 70 °C	0.75 kg (1.5 lb)

Part Number	Description	Product Type
CCH-CS12-59-P00RE	12 F, SC, UPC, duplex, Single-mode (OS2), rack-mountable sing-	Rack-Mountable
CCH-CS12-6T-P00RE	12 F, ST® Compatible, UPC, simplex, Single-mode (OS2), single-fi-	Rack-Mountable
CCH-CS12-A9-P00RE	12 F, LC, UPC, duplex, Single-mode (OS2), single-fiber (250 µm)	Rack-Mountable
CCH-CS24-A9-P00RE	24 F, LC, UPC, duplex, Single-mode (OS2), single-fiber (250 µm)	Rack-Mountable
CCH-CS12-E4-P00TE	12 F, LC, PC, duplex, 50 µm multimode (OM3), single-fiber (250	Rack-Mountable
CCH-CS24-E4-P00TE	24 F, LC, PC, duplex, 50 µm multimode (OM3), single-fiber (250	Rack-Mountable

Note: Core products stocked at distributor for immediate availability.

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Closet Connector Housings (CCH)

CCH Pigtailed Cassettes (continued)

The CCH splice cassette (CCH-CS) is loaded with a CCH panel and factory-terminated pigtails. Available with ribbon or single-fiber splicing configurations, the cassette includes appropriate number and type of heat-shrinks and protective tubing depending on fiber count and cable type.

Ordering Information

CCH-CS ☐☐ - ☐☐ - P00 ☐ ☐
        1   2   3 4

1 Select fiber count.

06	= 6 fibers
08	= 8 fibers
12	= 12 fibers
16	= 16 fibers
24	= 24 fibers

See Note 1.

3 Select fiber type.

K = 62.5 µm multimode (OM1)
B = 50 µm multimode (OM2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)
R = Single-mode (OS2)

4 Select splicing type.

E = Single-fiber splicing
J = Ribbon splicing (only for fiber counts of 12 or 24)

2 Select adapter code (see Adapter/Connector Code Options table).
See Note 2.

Notes:
1) Available fiber count for desired adapter is available in table on following page.
2) Shuttered LC only available in OS2/OM3/OM4.

Part Number Example

Part Number	Product Description	Units per Delivery	
CCH-CS12-AE-P00RE	CCH Splice Cassette, 12 F, shuttered LC UPC duplex, Single-mode (OS2), single-fiber (250 µm)	1/1	
CCH-CS12-59-P00RE	CCH Pigtailed Splice Cassette, 12 F, SC UPC duplex, Single-mode (OS2), single-fiber (250 µm)	1/1	
CCH-CS24-E4-P00TE	CCH Pigtailed Splice Cassette, 24 F, LC PC duplex, 50 µm multimode (OM3), single-fiber (250 µm)	1/1	

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Closet Connector Housings (CCH)

Adapter/Connector Code Options

Adapter Code	Fiber Type	Alignment	Housing	Fiber per Adapter	6	8	12	16*	24
Shuttered LC Duplex									
AE	Single-mode, UPC (OS2)	Ceramic	Composite	2			X		X
AD	50 µm multimode (OM3/OM4)	Ceramic	Composite	2			X		X
LC Duplex									
A8	62.5 µm multimode (OM1)	Ceramic	Composite	2	X	X	X	X	X
D3	50 µm multimode (OM2)	Ceramic	Composite	2	X	X	X	X	X
E4	50 µm multimode (OM3/OM4)	Ceramic	Composite	2	X	X	X	X	X
A9	Single-mode, UPC (OS2)	Ceramic	Composite	2	X	X	X	X	X
B3	Single-mode, APC (OS2)	Ceramic	Composite	2	X	X	X	X	X
SC Duplex									
91	62.5 µm multimode (OM1)	Metal	Composite	2	X	X	X		
G7	50 µm multimode (OM2)	Ceramic	Composite	2	X	X	X		
E7	50 µm multimode (OM3/OM4)	Ceramic	Composite	2	X	X	X		
59	Single-mode, UPC (OS2)	Ceramic	Composite	2	X	X	X		
D9	Single-mode, APC (OS2)	Ceramic	Composite	2	X	X	X		
SC									
56	62.5 µm multimode (OM1)	Metal	Composite	1	X	X	X		
G6	50 µm multimode (OM2)	Ceramic	Composite	1	X	X	X		
E6	50 µm multimode (OM3/OM4)	Ceramic	Composite	1	X	X	X		
3C	Single-mode, UPC (OS2)	Ceramic	Composite	1	X	X	X		
6C	Single-mode, APC (OS2)	Ceramic	Composite	1	X	X	X		
ST® compatible connector									
5T	62.5 µm multimode (OM1)	Ceramic	Metal	1	X	X	X		
G5	50 µm multimode (OM2)	Ceramic	Metal	1	X	X	X		
H3	50 µm multimode (OM3/OM4)	Ceramic	Metal	1	X	X	X		
6T	Single-mode, UPC (OS2)	Ceramic	Metal	1	X	X	X		
FC									
11	Single-mode, UPC (OS2)	Metal	Metal	1	X	X	X		

Fiber Type	Housing Color
62.5 µm multimode (OM1)	Beige
50 µm multimode (OM2)	Black
50 µm multimode (OM3/OM4)	Aqua
Single-mode, UPC (OS2)	Blue
Single-mode, APC (OS2)	Green

Note: For keyed LC ordering information, please refer to LAN-701-EN.

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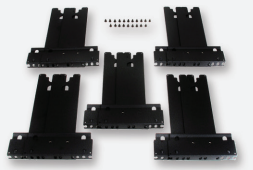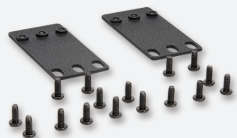
Closet Connector Housings (CCH)

Strain-Relief Accessories

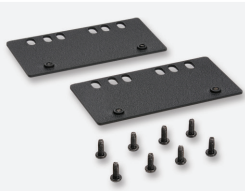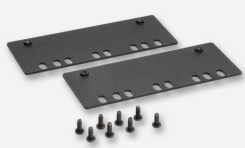| Part Number	Product Description	Units per Delivery	
UCC-001	Universal Cable Clamp, strain-relief kit, includes one cable clamp	1/1	
CPP-SSR-KIT	Central Member Strain-Relief Kit; includes one clamp, washer and screw to attach to internal strain-relief bracket	1/1	
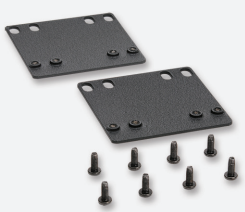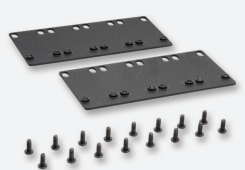
Mounting Accessories

Part Number	Product Description	Units per Delivery	
CCH1-RECESS-KIT-5	Recess Kit; includes five pairs of brackets to recess mount/ flush mount five 01U housings	1/1	
CCH2-RECESS-KIT-5	Recess Kit; includes 5 pairs of brackets to recess mount/ flush mount five 02U housings	1/1	
CCH3-RECESS-KIT-5	Recess Kit; includes five pairs of brackets to recess mount/ flush mount five 03U housings	1/1	
CCH4-RECESS-KIT-5	Recess Kit; includes five pairs of brackets to recess mount/ flush mount five 04U housings	1/1	
CCH4-3INCH-KIT-5	CCH-04U Mounting Kit, includes five pairs of brackets to mount five CCH-04U housings with 3-in frontal projection (standard CCH-04U projection is 5 in)	1/1	
CDF-01U-23-BKT	Mounting Brackets for CCH-01U and CLSSC-01U, 23-in	1/1	

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Closet Connector Housings (CCH)

Mounting Accessories

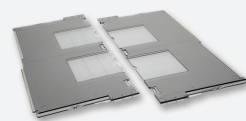| Part Number	Product Description	Units per Delivery	
CDF-02U-23-BKT	Mounting Brackets for CCH-02U and CLSSC-02U, 23-in	1/1	
CDF-03U-23-BKT	Mounting Brackets for CCH-03U and CLSSC-03U, 23-in	1/1	
CDF-04U-23-BKT	Mounting Brackets for CCH-04U and CLSSC-04U, 23-in	1/1	
CDF-01U-24-BKT	Mounting Brackets for CCH-01U and CLSSC-01U, 24-in	1/1	
CDF-02U-24-BKT	Mounting Brackets for CCH-02U and CLSSC-02U, 24-in	1/1	
CDF-03U-24-BKT	Mounting Brackets for CCH-03U and CLSSC-03U, 24-in	1/1	
CDF-04U-24-BKT	Mounting Brackets for CCH-04U and CLSSC-04U, 24-in	1/1	

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Closet Connector Housings (CCH)

Miscellaneous Accessories

Part Number	Product Description	Units per Delivery	
CCH-CDF-RJ08-BKT	High capacity strain-relief bracket for rack mount hardware	1/1	
FDC-CABLE-GRND	Armored Cable Grounding Kit; contains armored grounding clip and ground strap	1/1	
CCHA-LOCK-KIT	CCH and WCH Hardware Lock Kit, CCHA lock kit, compatible with CCH front and rear doors and WCH cable entry doors and jumper doors	1/1	
CJP-01U	Closet Jumper Management Panel; provides jumper management in a 1.75-in rack space	1/1	
CJP-02U	Closet Jumper Management Panel; provides jumper management in a 3.5-in rack space	1/1	
CJP-03U	Closet Jumper Management Panel; provides jumper management in a 5.25-in rack space	1/1	

Covers and Doors Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH1-TOP-COVER-2	CCH Covers and Doors; CCH1 top cover two, top covers for CCH-01U, CCH-02U and CCH-03U, with two label cards	1/1	
CCH1-DOOR-FRONT	CCH Covers and Doors; CCH1 door front for CCH-01U, includes hinges and latches	1/1	

* 7-ft unequipped frame, with standard floor mounting hardware

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Closet Connector Housings (CCH)

Covers and Doors Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH2-DOOR-FRONT	CCH Covers and Doors; CCH2 door front for CCH-02U, includes hinges and latches	1/1	
CCH3-DOOR-FRONT	CCH Covers and Doors; CCH3 door front for CCH-03U, includes hinges and latches	1/1	
CCH4-DOOR-FRONT	CCH Covers and Doors; CCH4 door front for CCH-04U, includes hinges and latches	1/1	
CCH1-DOOR-REAR	CCH Covers and Doors; CCH1 door rear for CCH-01U, includes hinges and latches	1/1	
CCH2-DOOR-REAR	CCH Covers and Doors; CCH2 door rear for CCH-02U, includes hinges and latches	1/1	
CCH3-DOOR-REAR	CCH Covers and Doors; CCH3 door rear for CCH-03U, includes hinges and latches	1/1	
CCH4-DOOR-REAR	CCH Covers and Doors; CCH4 door rear for CCH-04U, includes hinges and latches	1/1	

* 7-ft unequipped frame, with standard floor mounting hardware

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Closet Connector Housings (CCH)

Labeling Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH1-LABEL-CARD-20	CCH Label Cards; CCH1 label card 20, plastic label cards for CCH-01U, CCH-02U, CCH-03U; 20 per pack	1/1	
CCH4-LABEL-CARD-20	CCH Label Cards; CCH4 label card 20, plastic label cards for CCH-04U (20 per pack)	1/1	
CCHA-LABEL-PNL-50	CCH Label Cards, additional label kit for CCH and WCH housing families (contains 50 labels)	1/1	

* 5 in, White Fused Alumina, bulk pack, 16 µm, natural

Strain-Relief Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH1-STRN-INT	CCH Strain-Relief Bracket, internal strain-relief bracket for CCH and WCH housing families	1/1	
CCH1-STRN-EXT	CCH Strain-Relief Bracket; external strain-relief bracket for the CCH-01U, CCH-02U, CCH-03U	1/1	
CCH4-STRN-INT	CCH Strain-Relief Bracket; internal strain-relief bracket for the CCH-04U	1/1	

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Closet Connector Housings (CCH)

Strain-Relief Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH4-STRN-EXT	CCH Strain-Relief Bracket; external strain-relief bracket for the CCH-04U	1/1	
CCHA-CLIP-BTF-2	CCH Strain-Relief Bracket, intermediate strain-relief bracket for CCH and WCH housing families, 2 per pack	1/1	

* A-DQ(ZN)(SR)H 1x4G62.5/125 InfiniCor 300

Fiber and Cable Management Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH1-CASS-RAIL	CCH Fiber and Cable Management; one stacker rail for CCH-01U, CCH-02U, CCH-03U (to use with CCH-CS and CCH-CF)	1/1	
CCH4-CASS-RAIL-24	CCH Fiber and Cable Management, stacker rails for CCH-04U and WCH housing family to use with CCH-CS and CCH-CF, 24 per pack	1/1	
CCHA-CLIP-SLCK-8	CCH Fiber and Cable Management, segregated fiber routing clips for CCH/CCHE panels to be used with CCH and WCH housing families, 8 per pack	1/1	
CCH1-GUIDE-JMPR-3	CCH Fiber and Cable Management; front jumper routing guide for the CCH-01U, CCH-02U, CCH-03U, 3 per pack	1/1	

* EMF Component, front-mounting workshel

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Closet Connector Housings (CCH)

Fiber and Cable Management Replacement Parts

Part Number	Product Description	Units per Delivery	
CCH4-CLIP-JMPR-8	CCH Fiber and Cable Management; front jumper routing guide for the CCH-04U, 8 per pack	1/1	
CCHA-CLIP-PNL-24	CCH Fiber and Cable Management; panel clips for the CCH and WCH housing families, 24 per pack	1/1	

* EMF Component, front-mounting workshelf

Closet Connector Housing (CCH) Dust Kits

Part Number	Product Description	Units per Delivery	
CCH1-DUST-KIT	CCH dust kit for CCH-01U	1/1	
CCH2-DUST-KIT	CCH dust kit for CCH-02U	1/1	
CCH3-DUST-KIT	CCH dust kit for CCH-03U	1/1	
CCH4-DUST-KIT	CCH dust kit for CCH-04U	1/1	

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