CORNING

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.

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.

Closet Connector Housings (CCH) (continued)

Features	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

CCH-01U Closet Connector Housing pictured closed | Photo LAN2455

CCH-01U Closet Connector Housing pictured open | Photo LAN2621

CCH-04U Closet Connector Housing pictured closed | Photo LAN2362

CCH-04U Closet Connector Housings pictured open | Photo LAN2555

Closet Connector Housings (CCH) (continued)

CCH-01U with Translucent Top (covers partially open) | Photo LAN2337

CCH-04U Removable Jumper Routing Guide Section for Flush Mounting
Photo LAN2555

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.

Ordering Information

Part Number	Description	Product Dimensions (H x W x D) cm	Shipping Dimensions (H x W x D) cm	Shipping Weight
CCH-01U	Closet Connector Housing; accepts up to 2 CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	4.4 x 48.3 x 43	12.4 x 53 x 51.1	4.98 kg
CCH-02U	Closet Connector Housing; accepts up to 4 CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	8.9 x 48.3 x 43	16.7 x 53 x 51.1	6.45 kg
CCH-03U	Closet Connector Housing; accepts up to 6 CCH panels, cassettes or modules; comes with blank panels and hardware to strain-relieve cables internally or externally	13.3 x 48.3 x 43	25.7 x 53.2 x 51.3	7.5 kg
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	17.8 x 48.3 x 43	25.7 x 53.2 x 51.3	7.7 kg

-Operation Range: -40° C to 70° C
-Units per Delivery: 1/1

CCH Cassette Pass-Through Splicing

CCH-CS-PST Package Contents | Photo LAN11470

CCH pass-through cassettes enable through splicing of fibers within any housing that accommodates the CCH 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.

Features
Pass-through cassette holds 24 single-fiber splices or 6 mass fusion splices
The modular design makes it easy to access the fiber in an individual cassette without disturbing other fibers in the housing.
Manage cable slack for a CCH panel in a modular footprint
Includes everything needed to convert a CCH housing for modular routing and/or splicing
Designed for spicing only, does not accept a CCH adapter panel
Easy ordering and field installation
Meets ANSI/TIA/EIA-568A and 606
Free of hazardous substances according to RoHS 2011/65/EU

Ordering Information

Part Number	Product Dimensions (L x W x D)	Operation	Product Weight
CCH-CS-PST	162 x 35 x 200 mm	-40°C to 70°C	0.5 kg

CCH Termination Cassette

CCH-CF Package Contents │ Photo LAN2984

The CCH termination and slack storage cassette is the option with no splice tray, suitable for use with field-installable connectors, 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 packaged with the hardware need it for use with CCH-01U/2U/3U/4U and the WCH-02P/4P/6P housings.

Grommets and cable ties for strain-relief, and protective braided tubing for incoming cable are also included.

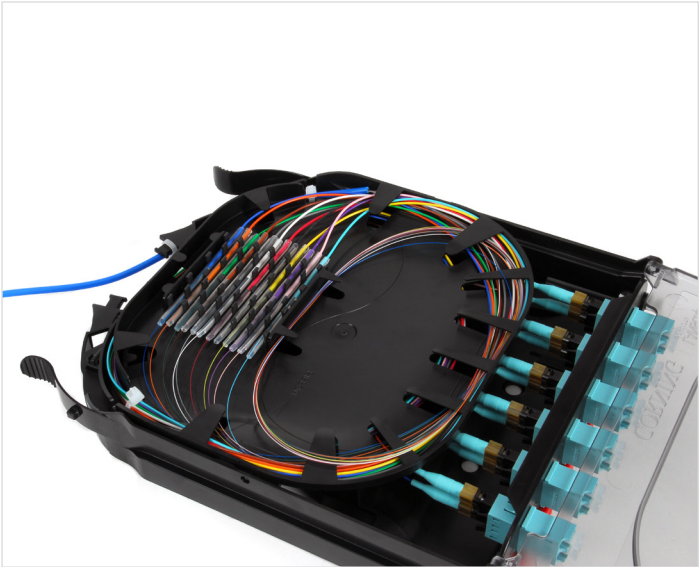| Features |
| --- |
| Manage cable slack for a CCH Panel in a modular footprint |
| The modular design makes it easy to access the fiber in an individual cassette without disturbing other fibers in the housing. |
| Fast, easy and reliable initial routing, and quick, simple re-access for moves, adds and changes (MACs) |
| Suitable for use with field-installable connectors. |
| No splice tray option |

Ordering Information

Part Number	Product Dimensions (L x W x D)	Operation	Product Weight
CCH-CF	162 x 35 x 200 mm	-40°C to 70°C	0.5 kg

CCH Pigtail Splice Cassettes

Splice Cassette Package Contents | Photo LAN3779

Splice Cassette Fiber Routing | Photo LAN2528

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 prerouted of either individual or ribbon fiber pigtails, using the same space-saving platform as the standard CCH splice cassette, this enables to reduce field labor by streamlining the features and components of the pigtail cassette allowing for efficiencies in the field.

Each cassette is provided with heat-shrinks, pigtail slack and cable slack managed within a single space saving footprint and packaged with the hardware need it for use with CCH-01U/2U/3U/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.

Features
Reduced splicing labor with preloaded pigtails and a CCH connector panel
The modular design makes it easy to access the fiber in an individual cassette without disturbing other fibers in the housing
Fast, easy and reliable initial routing, and quick, simple re-access for moves, adds and changes (MACs)
Allows splicing to be done away from the rack housing in a suitable workspace as needed
Supports fusion splicing of individual 250 µm fibers or ribbons
Colored 250 µm at splice point for fast and easy splicing

Ordering Information

Fiber type	Product Dimensions (L x W x D)	Operation	Product Weight
Single Mode OS2 Multimode Fibers OM1/OM2/OM3/OM4	162 x 35 x 200 mm	-40°C to +65°C	0.75 kg

CCH Pigtail Splice Cassettes (continued)

The CCH Pigtail Splice Cassette 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.

CCH Cassettes Compatible Housings Table

	Part Number	Max Qty Cassettes	Max Single Fibers	Max Ribbon Fibers
Rack/Wall Mount	CCH-01U	2	48	72
	CCH-02U	4	96	144
	CCH-03U	6	144	216
	CCH-04U	12	288	432
	WCH-02P	2	48	72
	WCH-04P	4	96	144
	WCH-06P	6	144	216
Industrial Housings	EDC-CS-02P-NH	2	48	72
	EDC-CS-06P-NH	6	144	216
	EDC-CS-STEEL-02P-NH	2	48	72
	EDC-CS-STEEL-06P-NH	6	144	216
	ICH-CS-02P	2	48	72
	ICH-CS-06P	6	144	216

Shipping Information

Blister Pack dimensions (L x W x H) mm	Carton Dimensions* (L x W x H) mm	Storage	Shipping Weight
343 x 197 x 40	381 x 406.5 x 228.6	-40°C to +60°C	5.56 kg

*Carton dimensions and weight based in a bulk pack holding 10 cassettes.

Optical Characteristics	Module Insertion Loss	
	Typical (by 1300 nm)	Maximum (by 1300 nm)
Single-mode OS2	0.15 dB	0.4 dB
Multimode OM1/OM3/OM4	0.35 dB	0.5 dB

CCH Pigtail Splice Cassettes (continued)

Ordering Information

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

1 **Select fiber count.**

06 = 6 fibers
12 = 12 fibers
24 = 24 fibers
36 = 36 fibers

2 **Select adapter code.**

(see Adapter/Connector Code Options table, page 10).

3 **Select fiber type.**

K = 62.5 µm multimode (OM1)
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 12/24/36)

Notes:
1) Available fiber count for desired adapters is in "Adapter/Connector Code Options Table"
2) Shuttered LC only available in OS2/OM3/OM4.
3) 36F option only available with Ribbon Pigtails and Shuttered LC Adapters

CCH Pigtail Splice Cassettes (continued)

Configurations of Most Common Catalog Numbers

Catalog Number	Fiber Qty	Adapter			Fiber Type	Pigtail Type
		Color	Type	Polish		
CCH-CS12-A9-P00RE	12F	Blue	LC Duplex	UPC	OS2	Single Fiber
CCH-CS24-A9-P00RE	24F	Blue	LC Duplex	UPC	OS2	Single Fiber
CCH-CS06-A9-P00RE	24F	Blue	LC Duplex	UPC	OS2	Single Fiber
CCH-CS12-A9-P00RJ	12F	Blue	LC Duplex	UPC	OS2	12-Fiber Ribbon
CCH-CS24-A9-P00RJ	24F	Blue	LC Duplex	UPC	OS2	12-Fiber Ribbon
CCH-CS24-AE-P00RE	24F	Blue	LC Duplex Shutter	UPC	OS2	Single Fiber
CCH-CS24-AE-P00RJ	24F	Blue	LC Duplex Shutter	UPC	OS2	12-Fiber Ribbon
CCH-CS36-AE-P00RJ	36F	Blue	LC Duplex Shutter	UPC	OS2	12-Fiber Ribbon
CCH-CS12-59-P00RE	12F	Blue	SC Duplex	UPC	OS2	Single Fiber
CCH-CS12-3C-P00RE	12F	Blue	SC Simplex	UPC	OS2	Single Fiber
CCH-CS12-6T-P00RE	12F	Blue	ST® Compatible	UPC	OS2	Single Fiber
CCH-CS12-B3-P00RE	12F	Green	LC Duplex	APC	OS2	Single Fiber
CCH-CS24-B3-P00RE	24F	Green	LC Duplex	APC	OS2	Single Fiber
CCH-CS24-B3-P00RJ	24F	Green	LC Duplex	APC	OS2	12-Fiber Ribbon
CCH-CS36-AF-P00RJ	36F	Green	LC Duplex Shutter	APC	OS2	12-Fiber Ribbon
CCH-CS12-D9-P00RE	12F	Green	SC Duplex	APC	OS2	Single Fiber
CCH-CS12-6C-P00RE	12F	Green	SC Simplex	APC	OS2	Single Fiber
CCH-CS12-E4-P00TE	12F	Aqua	LC Duplex	PC	OM3	Single Fiber
CCH-CS24-E4-P00TE	24F	Aqua	LC Duplex	PC	OM3	Single Fiber
CCH-CS12-E7-P00TE	12F	Aqua	SC Duplex	PC	OM3	Single Fiber
CCH-CS12-E4-P00QE	12F	Aqua	LC Duplex	PC	OM4	Single Fiber
CCH-CS24-E4-P00QE	24F	Aqua	LC Duplex	PC	OM4	Single Fiber

Note: These are the core products typically stocked at distributors for immediate availability

CCH Pigtail Splice Cassettes (continued)

Adapter/Connector Code Options Table

Adapter Code	Fiber Type	Alignment	Housing	Fiber per adapter	Available no. of fibers per panel			
					6	12	24	36
LC Duplex								
A9	OS2 UPC	Ceramic	Composite	2	X	X	X	
B3	OS2 APC	Ceramic	Composite	2	X	X	X	
A8	OM1	Ceramic	Composite	2	X	X	X	
E4	OM3/OM4	Ceramic	Composite	2	X	X	X	
Shutter LC Duplex								
AE	OS2 UPC	Ceramic	Composite	2	X	X	X	X
AF	OS2 APC	Ceramic	Composite	2	X	X	X	X
AD	OM3/OM4	Ceramic	Composite	2	X	X	X	X
SC Duplex								
59	OS2 UPC	Ceramic	Composite	2	X	X		
D9	OS2 APC	Ceramic	Composite	2	X	X		
91	OM1	Metal	Composite	2	X	X		
E7	OM3/OM4	Ceramic	Composite	2	X	X		
SC Simplex								
3C	OS2 UPC	Ceramic	Composite	1	X	X		
6C	OS2 APC	Ceramic	Composite	1	X	X		
56	OM1	Metal	Composite	1	X	X		
E6	OM3/OM4	Ceramic	Composite	1	X	X		
ST® Compatible connector								
6T	OS2	Ceramic	Metal	1	X	X		
5T	OM1	Ceramic	Metal	1	X	X		
H3	OM3/OM4	Ceramic	Metal	1	X	X		

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

Strain-Relief Accessories

Product Image	Part Number	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

Product Image	Part Number	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
	CDF-01U-23-BKT	Mounting Brackets for CCH-01U and CLSSC-01U, 23-in	1/1

Mounting Accessories (continued)

Product Image	Part Number	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

Miscellaneous Accessories

Product Image	Part Number	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

Strain-Relief Replacement Parts

Product Image	Part Number	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
	CCH4-STRN-EXT	CCH Strain-Relief Bracket; external strain-relief bracket for the CCH-04U	1/1

Fiber and Cable Management Replacement Parts

Product Image	Part Number	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
	CCH4-CLIP-JMPR-8	CCH Fiber and Cable Management; front jumper routing guide for the CCH-04U, 8 per pack	1/1

CORNING