

Wall-Mountable Connector Housings (WCH)

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Features and Benefits

Interconnect and cross-connect capabilities

Ideal for field splicing and connectorization

Accepts CCH cassettes, panels and modules

Variety of preterminated and field-installable capabilities

Lockable, transparent jumper side door

Visibility and ease of access for installation, testing and troubleshooting

Removable strain-relief bracket

Flexibility for installation and moves, adds and changes (MACs)

Segregated cable and fiber slack routing

Fiber protection

Corning wall-mountable connector housing (WCH) product family offers enhanced 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.

Standards

RoHS

Free of hazardous substances according to RoHS 2011/65/EU



Wall-Mountable Connector Housings
| Photo LAN7025



Wall-Mountable Connector Housing
| Photo LAN6951

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Ordering Information

Part Number	Dimensions (HxWxD)	Shipping Weight
WCH-02P	18.8 cm x 42.2 cm x 10.7 cm (7.4 in x 16.1 in x 4.2 in)	3.6 kg (8.0 lb)
WCH-04P	35.8 cm x 42.2 cm x 10.7 cm (14.1 in x 16.1 in x 4.2 in)	4.6 kg (10.0 lb)
WCH-06P	35.8 cm x 42.2 cm x 14.5 cm (14.1 in x 16.1 in x 5.7 in)	5.0 kg (11.0 lb)

Part Number	Description	Maximum Fiber
WCH-02P	Wall-Mountable Closet Housing (WCH), holds 2 CCH connector panels/	48
WCH-04P	Wall-Mountable Closet Housing (WCH), holds 4 CCH connector panels/	96
WCH-06P	Wall-Mountable Closet Housing (WCH), holds 6 CCH connector panels/	144

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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.



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	Units per
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	1/1



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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.



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	Units per
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	1/1



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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.

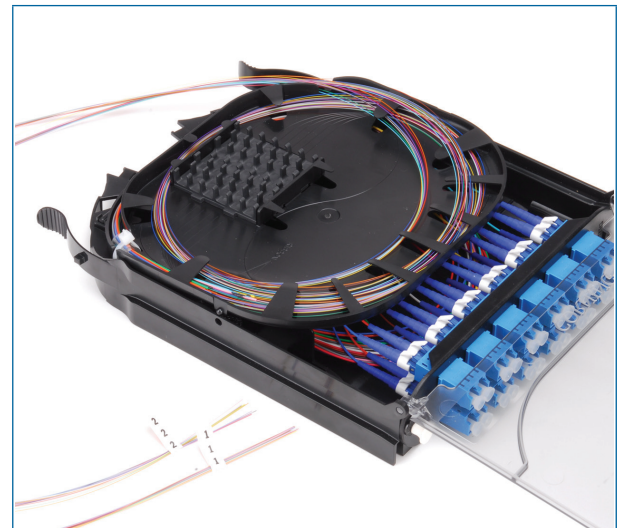
Pre-routed pigtailed cassettes reduce field labor by streamlining the features and components of the pigtail cassette to allow for efficiencies in the field. They are loaded with a pigtail assembly and a CCH connector panel. The pigtails, with 900 μm protection at the connector panel for added durability, 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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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	Units per	Product Type
CCH-CS12-59-P00RE	12 F, SC, UPC, duplex, Single-mode (OS2), rack-mountable single-fiber (250 µm)	1/1	Rack-Mountable Hardware
CCH-CS12-6T-P00RE	12 F, ST® Compatible, UPC, simplex, Single-mode (OS2), single-fiber (250 µm)	1/1	Rack-Mountable Hardware
CCH-CS12-A9-P00RE	12 F, LC, UPC, duplex, Single-mode (OS2), single-fiber (250 µm)	1/1	Rack-Mountable Hardware
CCH-CS24-A9-P00RE	24 F, LC, UPC, duplex, Single-mode (OS2), single-fiber (250 µm)	1/1	Rack-Mountable Hardware
CCH-CS12-E4-P00TE	12 F, LC, PC, duplex, 50 µm multimode (OM3), single-fiber (250 µm)	1/1	Rack-Mountable Hardware
CCH-CS24-E4-P00TE	24 F, LC, PC, duplex, 50 µm multimode (OM3), single-fiber (250 µm)	1/1	Rack-Mountable Hardware

Note: Core products stocked at distributor for immediate availability.

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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 μ m multimode (OM1)
B = 50 μ m multimode (OM2)
T = 50 μ m multimode (OM3)
Q = 50 μ m 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:


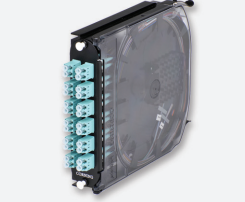
- 1) Available fiber count for desired adapter is available in table on following page.
2) Shuttered LC only available in OS2/OM3/OM4.

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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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Adapter/Connector Code Options

Available Fiber/Panel Counts									
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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Wall-Mountable Connector Housing Accessories

Part Number	Product Description	Units per Delivery	
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	
CCH1-STRN-INT	CCH Strain-Relief Bracket, internal strain-relief bracket for CCH and WCH housing families	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	
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	
CCHA-CLIP-PNL-24	CCH Fiber and Cable Management; panel clips for the CCH and WCH housing families, 24 per pack	1/1	
FDC-CABLE-GRND	Armored Cable Grounding Kit; contains armored grounding clip and ground strap	1/1	

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Wall-Mountable Connector Housing Accessories

Part Number	Product Description	Units per Delivery	
CPP-SSR-KIT	Central Member Strain-Relief Kit; includes one clamp, washer and screw to attach to internal strain-relief bracket	1/1	
CCHA-LABEL-PNL-50	CCH Label Cards, additional label kit for CCH and WCH housing families (contains 50 labels)	1/1	



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