



Summer
2014

Enterprise Networks Middle East & Africa

Products for

LOCAL AND

**WIDE AREA
NETWORKS**

CORNING

Get it Right, Right Now.

You need assurance that the cabling products you use in networks on a daily basis are easy to find and readily available. That's what this catalogue is all about.

Here you'll find the part numbers and descriptions of Corning's most popular LAN fibre cables, connectors, patch panels, and related accessories, as well as shielded copper products required to get the job done right – right now!

We've also included information on new products recently launched and a list of valuable resources that can save you time and money. As a leading global company, we work hard to make sure these great products are on the shelves of our distributors, ready for purchase when you need them.

This catalogue is designed to make your job easier, faster, and more efficient.

CORNING
NPI Network of
Preferred Installers

CORNING
Consultant LinkUp®
Program

CORNING
Network IQ®

Get to know us!

Corning Optical Communications

A part of the Corning Incorporated telecommunications segment, Corning Optical Communications is a leading manufacturer of fibre optic communication system solutions for voice, data, and video network applications worldwide. We offer the broadest range of end-to-end fibre optic and shielded copper product solutions for customers' telecommunications networks.

With LANscape® and FutureCom™ Solutions, Corning offers the most comprehensive suite of core LAN cabling products available. Underpinning its innovation in fibre technology is Corning's pioneering production standards. All Corning optical fibre is manufactured by Corning, at Corning facilities, to unique specifications, and designs. Production processes are managed and controlled in-house, to the highest possible quality.

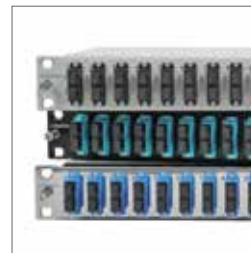
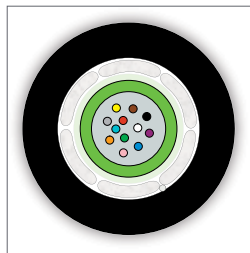


Available
Reliable
Easy



UniCam[®]

Fibre Termination
in Seconds



Enterprise Networks

Fibre Products for

Local and Wide Area Networks



Please see our complete product portfolio online:
<http://catalog.corning.com/opcomm>

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**MAKE YOUR JOB
EVEN EASIER**

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**FIBRE
PRODUCTS**
for Local and Wide Area Networks

CORNING

Transmission Performance

	OM2	OM3	OM4	OS2
Optical Fibre Type (µm)	50 Multimode	50 Multimode	50 Multimode	9 Single-Mode
Wavelength (nm)	850/1300	850/1300	850/1300	1310/1550
Maximum Attenuation (dB/km)	2.8/1.0	2.8/1.0	2.8/1.0	0.36/0.22
Typical Attenuation (dB/km)	2.4/0.8	2.4/0.8	2.4/0.8	- / -
Overfilled Launch (OFL) (MHz•km)	700/500	1500/500	3500/500	- / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	950/ -	2000/ -	4700/ -	- / -
Serial 1 Gigabit Ethernet Distance (m)	750/600	1000/600	1100/600	5000/ -
Serial 10 Gigabit Ethernet Distance (m)	150/ -	300/ -	550/ -	10000/40000

For other fibre types, please contact Corning Customer Care at 00800 2676 4641 or emea.cs@corning.com

Did you know? Corning® ClearCurve® bend-insensitive OM2/OM3/OM4 multimode fibres offer outstanding transmission performance and operational reliability in fibre optic cabling systems. Corning ClearCurve fibres are the world's first laser-optimised multimode fibres to withstand tight bends at or below 7.5 mm radius with substantially less signal loss than traditional multimode fibres, while being fully standards compliant and backwards compatible.

To Bend or Not to Bend.



Not Much of a Question.

General Features and Benefits of Corning MPC Cable

- Waterblocking technology for outdoor applications
- All-dielectric cable construction requires no grounding or bonding
- Flame-retardant indoor/outdoor jacket LSZH™/FRNC
- UV- and microbe-resistant; can be installed in ducts, conduits or direct buried
- Small diameter and bend radius makes installation easy in space-constrained areas
- Fibres colour coded according to IEC 60304 (Telcordia-Bellcore) eases identification of the individual fibres

General Features and Benefits of Corning Tight Buffer Cables

The tight buffer construction facilitates easier termination for low-fibre-count applications in the local area network (LAN) and eliminates the need for fan-out kits when installing UniCam® connectors.

- Completely dry cable construction (swellable elements) allows efficient and easy cable preparation for purely outdoor or combined indoor/outdoor applications
- TB3 tight buffer construction for easy and consistent stripping of up to 10 cm for direct termination

General Features and Benefits of Corning Multi-purpose Central and Loose Tube Cables

The cable construction, by isolating the fibres from installation and environmental rigors, provides stable and highly reliable transmission parameters. The cable construction, based on a central buffer tube, is very compact, light, and flexible.

gel-filled

The combination of swellable yarns for improved rodent resistance and enhanced longitudinal water protection and gel-filled buffer tubes provide for reliable performance in operation.

- 10 minutes for basic cleaning of fibres in one buffer tube
- 10 minutes preparation time for a fan-out installation

gel-free

The new FREEDM™ gel-free central tube indoor/outdoor cable makes installations faster and reduces the amount of waste on-site, while cleaning becomes quick and easy.

- 10 minutes saved for basic cleaning
- 10 minutes preparation time saved

www.corning.com/opcomm/en/FREEDM

... it's soooo dry!

Fibre Optic Cables

1. Fibre Optic Cables

Choose cable design, fibre type, and fibre count.



Fibre Type				Fibre Count				Cable Design			Part Number*	Description
MM OM2	MM OM3	MM OM4	SM OS2	4 Fibre	12 Fibre	24 Fibre	48 Fibre	250 µm	900 µm	Gel-free		
1.1 FREEDM™ Tight Buffer Indoor/Outdoor Cable: Gel-free tight buffer, 900 µm, TB3, LSZH*/FRNC jacket, for direct termination (UniCam® connectors) or U-VQ(ZN)H**												
											012T8X-32138E2G	12x MM/OM2 CC TB
											024T8X-32138E2G	24x MM/OM2 CC TB
											012T8X-32188E2G	12x MM/OM3 CC TB
											024T8X-32188E2G	24x MM/OM3 CC TB
											012T8X-32198E2G	12x MM/OM4 CC TB
											024T8X-32198E2G	24x MM/OM4 CC TB
											012E8X-32125E2G	12x SM/OS2 E9 TB (SMF-28e+®)
											024E8X-32125E2G	24x SM/OS2 E9 TB (SMF-28e+)
1.2 MIC™ Tight Buffer Indoor Cable: Gel-free tight buffer, 900 µm, TB3, LSZH*/FRNC jacket, for direct termination (UniCam connectors) J-V(ZN)H**												
											004T8Z-32138E2G	4x MM/OM2 CC TB
											012T8Z-32138E2G	12x MM/OM2 CC TB
											024T8Z-32138E2G	24x MM/OM2 CC TB
											004T8Z-32188E2G	4x MM/OM3 CC TB
											012T8Z-32188E2G	12x MM/OM3 CC TB
											024T8Z-32188E2G	24x MM/OM3 CC TB
											004T8Z-32198E2G	4x MM/OM4 CC TB
											012T8Z-32198E2G	12x MM/OM4 CC TB
											024T8Z-32198E2G	24x MM/OM4 CC TB
											004E8Z-32125E2G	4x SM/OS2 E9 TB (SMF-28e+)
											012E8Z-32125E2G	12x SM/OS2 E9 TB (SMF-28e+)
											024E8Z-32125E2G	24x SM/OS2 E9 TB (SMF-28e+)

* Attention – changed part numbers! Cross-reference table: <http://opcomm.corning.com/3-FO-CableEN>

** Coding according to EN 60794-1-1 (DIN VDE 0888-100-1).

Fibre Type				Fibre Count				Cable Design			Part Number*	Description
MM OM2	MM OM3	MM OM4	SM OS2	4 Fibre	12 Fibre	24 Fibre	48 Fibre	250 µm	900 µm	Gel-free		
1.3 FREEDM™ Gel-Free Central Tube Indoor/Outdoor Cable: Gel-free tubes, 250 µm, LSZH/FRNC jacket, fusion splicing with pigtails or fan-out kits with UniCam® connectors, U-BQ(ZN)BH**												
											004TEU-13138D2G	4x MM/OM2 CC gel-free CT
											012TEU-13138D2G	12x MM/OM2 CC gel-free CT
											004TEU-13188D2G	4x MM/OM3 CC gel-free CT
											012TEU-13188D2G	12x MM/OM3 CC gel-free CT
											004TEU-13198D2G	4x MM/OM4 CC gel-free CT
											012TEU-13198D2G	12x MM/OM4 CC gel-free CT
											004EEU-13122D2G	4x SM/OS2 E9 gel-free CT (SMF-28e+®)
											012EEU-13122D2G	12x SM/OS2 E9 gel-free CT (SMF-28e+)
1.4 Central and Loose Tube Dielectric Armour Indoor/Outdoor Cable: Gel-filled tubes, 250 µm, LSZH/FRNC jacket, for fusion splicing with pigtails, U-DQ(ZN)BH**												
											024TEU-13138A2G	24x MM/OM2 CC CT
											048TRU-T3138A2G	48x MM/OM2 CC LT
											024TEU-13188A2G	24x MM/OM3 CC CT
											048TRU-T3188A2G	48x MM/OM3 CC LT
											024TEU-13198A2G	24x MM/OM4 CC CT
											048TRU-T3198A2G	48x MM/OM4 CC LT
											024EEU-13122A2G	24x SM/OS2 E9 CT (SMF-28e+)
											048ERU-T3122A2G	48x SM/OS2 E9 LT (SMF-28e+)

* Attention – changed part numbers! Cross-reference table: <http://opcomm.corning.com/3-FO-CableEN>

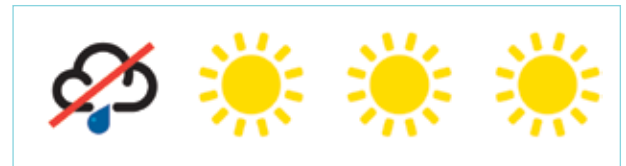
** Coding according to EN 60794-1-1 (DIN VDE 0888-100-1).

Change to gel-free now!

FREEDM Gel-Free Central Tube Indoor/Outdoor Cable

With gel-filled cables, you need to apply a cleaning tissue 50 times to completely remove the gel from 12 fibres in only one tube, which takes approximately 10 to 15 minutes. Meanwhile the gel is spreading: on your hands, on your clothes, and on your tools ...

Why do you want to tolerate this ancient technique any longer?



www.corning.com/opcomm/en/FREEDM

Fibre Optic Cables

Fibre Type				Fibre Count					Cable Design			Part Number*	Description
MM OM2	MM OM3	MM OM4	SM OS2	12 Fibre	24 Fibre	48 Fibre	96 Fibre	144 Fibre	250 µm	900 µm	Gel-free		
1.5 SST™ Central and Loose Tube Dielectric Armour Outdoor Cable: Gel-filled tubes, 250 µm, for fusion splicing with pigtails, A-DQ(ZN)B2Y**													
												012TEG-13138A20	12x MM/OM2 All-dielectric outdoor CT
												024TEG-13138A20	24x MM/OM2 All-dielectric outdoor CT
												048TRG-T3138A20	4x12 MM/OM2 All-dielectric outdoor LT
												096TRG-T3138A20	8x12 MM/OM2 All-dielectric outdoor LT
												144TRG-T3138A20	12x12 MM/OM2 All-dielectric outdoor LT
												012TEG-13188A20	12x MM/OM3 All-dielectric outdoor CT
												024TEG-13188A20	24x MM/OM3 All-dielectric outdoor CT
												048TRG-T3188A20	4x12 MM/OM3 All-dielectric outdoor LT
												096TRG-T3188A20	8x12 MM/OM3 All-dielectric outdoor LT
												144TRG-T3188A20	12x12 MM/OM3 All-dielectric outdoor LT
												012TEG-13198A20	12x MM/OM4 All-dielectric outdoor CT
												024TEG-13198A20	24x MM/OM4 All-dielectric outdoor CT
												048TRG-T3198A20	4x12 MM/OM4 All-dielectric outdoor LT
												096TRG-T3198A20	8x12 MM/OM4 All-dielectric outdoor LT
												144TRG-T3198A20	12x12 MM/OM4 All-dielectric outdoor LT
												012EEG-13122A20	12x SM/OS2 E9 All-dielectric outdoor CT (SMF-28e+)
												024EEG-13122A20	24x SM/OS2 E9 All-dielectric outdoor CT (SMF-28e+)
												048ERG-T3122A20	4x12 SM/OS2 E9 All-dielectric outdoor LT (SMF-28e+)
												096ERG-T3122A20	8x12 SM/OS2 E9 All-dielectric outdoor LT (SMF-28e+)
												144ERG-T3122A20	12x12 SM/OS2 E9 All-dielectric outdoor LT (SMF-28e+)

* Attention – changed part numbers! Cross-reference table: <http://opcomm.corning.com/3-FO-CableEN>

** Coding according to EN 60794-1-1 (DIN VDE 0888-100-1).

Corning Polyamide Sheath Cables – a healthier and less hazardous option!

Launching ALTOS™ loose tube cables with polyamide overcoat. Corning provides cables with chemical resistance for oil and gas pipeline applications, which are termite resistant and prevent your network from being disrupted. These cables do not require a lead sheath any longer and are less heavy and less hazardous for personal health and for the environment. Please see opposite page for product reference.

Fibre Type				Fibre Count					Cable Design			Part Number*	Description
MM OM2	MM OM3	MM OM4	SM OS2	12 Fibre	24 Fibre	48 Fibre	96 Fibre	144 Fibre	250 µm	900 µm	Gel-free		
1.6 Loose Tube Steel Armour Single-/Double- Jacket Indoor/Outdoor DTC Cables: Gel-filled tubes, 250 µm, LSZH™/FRNC jacket, for fusion splicing with pigtails, single U-DQ(ZN)(SR)H**/ double U-DQ(ZN)H(SR)H**													
				X	X	X	X	X				xxxERY-T3122H2G	SM/OS2 E9 Steel Armour Indoor/ Outdoor LT
				X	X	X	X	X				xxxERV-T3122H2G	SM/OS2 E9 Steel Armour Double- jacket Indoor/Outdoor LT
1.7 ALTOS™ Loose Tube Double-jacket, Single-armoured Cables with polyamide overcoat for Outdoor Usage: Gel-filled tubes, 250 µm, for fusion splicing with pigtails, A-DQ(ZN)2Y(SR)2Y4Y**													
				X	X	X	X	X				xxxER5-T3N22A20	SM/OS2 E9 Light Duty Oil and Gas LT
1.8 ALTOS Loose Tube Double-jacket, Single-Armoured Cables with Polyamide Overcoat and Moisture Barrier for Outdoor Usage: Gel-filled tubes, 250 µm, for fusion splicing with pigtails, A-DQ(ZN)2Y(SR)2Y4Y**													
				X	X	X	X	X				xxxERN-T3N22A20	SM/OS2 E9 Heavy Duty Oil and Gas LT
1.9 ALTOS All-Dielectric Loose Tube Outdoor Cables with FastAccess™ Technology: Gel-free tubes, 250 µm, for fusion splicing with pigtails and fan-out kits													
												xxxTU4-T4731D20	MM/OM2 CC ALTOS All-dielectric FastAccess LT
												xxxTU4-T4780D20	MM/OM3 CC ALTOS All-dielectric FastAccess LT
												xxxTU4-T4790D20	MM/OM4 CC ALTOS All-dielectric FastAccess LT
												xxxEU4-T4701D20	SM/OS2 E9 ALTOS All-dielectric FastAccess LT

Note: xxx denotes 012-144 for number of fibres in increments of 12. Additional fibre counts other than marked x in the table and additional fibre types are available on request.

ALTOS Cable with FastAccess Technology!

Ready for a Game Changer?

Corning introduces All-Dielectric ALTOS Cable with FastAccess Technology – the cable with a peel. Peel-away jacket with all the durability and reliability of traditional outside plant cable.

- At least 50 percent faster end-span cable access
- Reduces risk of fibre damage
- Reduces risk of injury from sharp cable access tools



Fibre Optic Cables

Fibre Terminations: Field-installable UniCam® Connectors

2. Fibre Terminations

Choose between field-installable connectors or fusion splicing with pigtails.

2.1 UniCam® Field-installable Connectors

UniCam Connector Tool Kit TKT-UNICAM-PFC necessary; tight buffer fibre cable recommended.

Field-installable UniCam connectors are a high-quality, cost-effective alternative to epoxy and polish connectors and are ideal for use in space-constrained areas or remote areas without power supply.

Fibre Type				Connector Style			Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Simplex	SC Simplex	ST Compatible Simplex		
High-performance Connector – with exceptional optical performance. Typical attenuation for multimode: 0.1 dB, for Single-mode: 0.2 dB.								
							95-050-99	LC MM/OM2 High-performance UniCam Connector
							95-050-41	SC MM/OM2 High-performance UniCam Connector
							95-050-51	ST MM/OM2 High-performance UniCam Connector
							95-050-99-X	LC MM/OM3/OM4 High-performance UniCam Connector
							95-050-41-X	SC MM/OM3/OM4 High-performance UniCam Connector
							95-200-99	LC SM/OS2 UPC High-performance UniCam Connector
							95-200-41	SC SM/OS2 UPC High-performance UniCam Connector
							95-200-51	ST SM/OS2 UPC High-performance UniCam Connector
Standard performance Connector – a cost-effective alternative for multimode OM1 and OM2 installations. Typical Attenuation for multimode: 0.3 dB.								
							95-050-90	LC MM/OM2 Standard-performance UniCam Connector
							95-050-40	SC MM/OM2 Standard-performance UniCam Connector
							95-050-50	ST MM/OM2 Standard-performance UniCam Connector
Tool							TKT-UNICAM-PFC	UniCam High-performance Fibre Connector Tool Kit



TKT-UNICAM-PFC



FAN-BT25-12



LC



SC



ST

For UniCam connector installations on central tube cables, we offer the following accessories:

Product	Description
FAN-BT25-06	Indoor Buffer Tube Fan-out Kit 2-6 fibres 0.6 m
FAN-BT25-12	Indoor Buffer Tube Fan-out Kit 7-12 fibres 0.6 m
FAN-BT-3CM-25	Adapter Tubes 250 to 900 µm 3 cm (25 pieces)



FAN-BT-3CM-25

www.corning.com/unicam

UniCam Connector Technology – Fibre Terminations in Seconds

Method 1 – Recommended

The easiest and quickest way to install UniCam® connectors is in combination with our LANscape® Solutions 900 µm tight buffer cables.

- Following the instructions included with your patch panel, simply remove the cable jacket to allow one to two loops of the tight buffer fibres in the routing guides.
- Install the UniCam connector directly on the tight buffer fibre using the UniCam high-performance tool kit. This operation takes about a minute.

Method 2

For terminations on loose tube or central tube cables (12 fibres or fewer per tube), it is recommended that you use a fan-out kit: FAN-BT25-06 for six fibres or FAN-BT25-12 for 12 fibres.

- Remove the cable jacket such that you have enough buffer tube as required to route within the housing, plus another 10 cm to terminate the fibre in UniCam connectors.
- Remove the buffer tubing, clean the fibres using alcohol, and make sure all gel residues are removed. When using our FREEDM™ gel-free central tube cables, the cleaning process procedure is less time-consuming.
- Directly install the UniCam connector on the fan-out tubing. This operation takes about two minutes and gives great protection to your 250 µm fibres.

Method 3

This method can only be used with a fixed patch panel without sliding trays. Installers need to be cautious and take extra care routing and installing the connectors on the 250 µm fibre. There will be reduced tensile strength in connectors and bare fibres in the patch panels.

- Clean the fibres and wipe with alcohol.
- Place a piece of 3 cm 900 µm tubing onto the fibre, such as FAN-BT-3CM.
- Install the UniCam Connector, but before crimping, slide the 3 cm tubing back into the connector.

Method 1 – Link of 12 Fibres OM3 (Multimode):

2x LANS-01U-B4 - Black 1U LANS Sliding Fibre Housing
12x LANS-MOD-E7-B - SC Duplex MM/OM3 Adapter Module, aqua
4x WAXWSM-00108-C001 - Black Blanks, pack of six
250m 012T8X-32188E2G - 12x MM/OM3 FREEDM Tight Buffer In/Out Cable
24x 95-050-41-X - SC MM/OM3 High-performance UniCam Connector

Tool Kit Needed:

TKT-UNICAM-PFC - High-performance UniCam Tool Kit

Method 2 – Link of 12 Fibres OS2 (Single-mode):

2x LANC-01U-B - Black 1U LANC Fixed Fibre Housing
12x LANS-MOD-72-B - SC Duplex SM Adapter Module, blue
4x WAXWSM-00108-C001 - Black Blanks, pack of six
900m 012EEU-13122D2G - 12x SM/OS2 FREEDM Gel-free CT In/Out Cable
2x FAN-BT25-12 - Fan-Out Kit for 12 fibres (60 cm)
24x 95-200-41 - SC SM/OS2 UPC High-performance UniCam Connector

Tool Kit Needed:

TKT-UNICAM-PFC - High-performance UniCam Tool Kit

Method 3 – Link of 24 Fibres OM2 (Multimode):

2x LANC-01U-B - Black 1U LANC Fixed Fibre Housing
24x LANC-MOD-D2-B - LC Duplex MM/OM2 Adapter Module, black
4x WAXWSM-00108-C001 - Black Blanks, pack of six
150 m 024TRU-T3138A2G - 24x MM/OM2 Loose Tube In/Out Cable
2x FAN-BT-3CM-25 - Tubes 250 to 900 µm (25 pieces)
48x 95-050-99 - LC MM/OM2 High-performance UniCam Connector

Tool Kit Needed:

TKT-UNICAM-PFC - High-performance UniCam Tool Kit



Fibre Terminations: LANC/LANS Splice Packs

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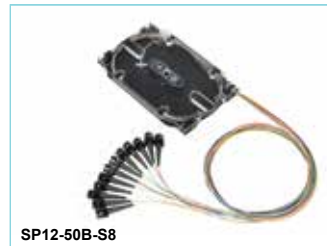
LANC/LANS Splice Packs

The LANscape® Solutions LANC/LANS splice packs are matched to the LANC and LANS housings that provide up to 48 fibre (24 port) capacity for LC duplex connectivity and 24 fibre (12 port) capacity for SC duplex or ST® compatible connectivity in 1U housings.

2.2 LANC/LANS Splice Packs with 12 Coloured Pigtails

Fusion splicer necessary; gel-free central tube fibre cable recommended; pigtails, tray, organiser, and cover included; splice protectors sold separately.

Fibre Type				Connector Style			Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Simplex	SC Simplex	ST Compatible Simplex		
							SP12-03B-S8	LC MM/OM2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-39B-S8	SC MM/OM2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-50B-S8	ST MM/OM2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-03T-S8	LC MM/OM3 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-39T-S8	SC MM/OM3 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-03Q-S8	LC MM/OM4 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-02R-S8	LC SM/OS2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-58R-S8	SC SM/OS2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
							SP12-61R-S8	ST SM/OS2 Universal Splice Tray (heat-shrink/crimp), including 12 pigtails and cover
Consumables							HSP-60S100-1	Heat-shrink Protector 60 mm (100 pieces)
							CSP-1	Crimp Splice Protector (150 pieces)



CCH Splice Modules

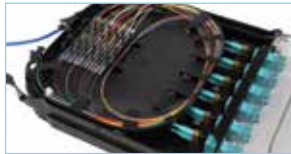
The CCH splice module supports fusion splicing of individual fibres, with heat-shrink protection, pigtail slack, and cable slack managed within a single space-saving footprint. This eliminates the need for individual splice trays or separate splice housings, as well as allowing splicing to be done away from the rack housing in a suitable workspace as needed. The modular design makes it easy to access the fibre in an individual module without disturbing the other fibres in the housing.

2.3 CCH Splice Modules with Coloured Pigtails (Heat-shrink Protection)

Fusion splicer necessary; gel-free central tube fibre cable recommended. Pigtails, front panel with adapters, module with rails, splice organiser, and heat-shrink splice protectors included.

Fibre Type				Adapter Style			Capacity		Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Duplex	SC Duplex	ST Compatible Simplex	12 Fibre	24 Fibre		
									CCH-CS24-D3-P00BE	LC MM/OM2, 24 pigtails, 12 duplex adapters
									CCH-CS12-G7-P00BE	SC MM/OM2, 12 pigtails, six duplex adapters
									CCH-CS12-G5-P00BE	ST MM/OM2, 12 pigtails, 12 simplex Adapters
									CCH-CS24-E4-P00TE	LC MM/OM3, 24 pigtails, 12 duplex adapters
				Shutters*					CCH-CS24-AD-P00TE	LC MM/OM3, 24 pigtails, 12 duplex shuttered adapters
									CCH-CS12-E7-P00TE	SC MM/OM3, 12 pigtails, six duplex adapters
									CCH-CS24-E4-P00QE	LC MM/OM4, 24 pigtails, 12 duplex adapters
				Shutters*					CCH-CS24-AD-P00QE	LC MM/OM4, 24 pigtails, 12 duplex adapters
									CCH-CS24-A9-P00RE	LC SM/OS2 UPC, 24 pigtails, 12 duplex adapters
				Shutters*					CCH-CS24-AE-P00RE	LC SM/OS2 UPC, 24 pigtails, 12 duplex shuttered adapters
									CCH-CS12-59-P00RE	SC SM/OS2 UPC, 12 pigtails, six duplex adapters
									CCH-CS12-6T-P00RE	ST SM/OS2 UPC, 12 pigtails, 12 simplex Adapters
Consumables									CCH-CS-CRIMP-KIT-6	CCH Crimp Kit, 12 Splice Organiser and Crimp Splice Protection for 144 Fibres

* Self-closing shutters for selected LC duplex adapters.



Fibre Terminations: CCH Splice Modules

3. Fibre Optic Hardware

3.1 Rack-mountable Hardware

Two footprints offering endless options. Rack-mountable hardware at a glance.

Value

LANscape® Footprint

- 1U fixed
- Modular
- Splicing
- UniCam®
- 1U sliding and tilting
- Modular
- Splicing
- UniCam
- Fibre and Copper*
- Pre-terminated Plug & Play™*
- Loaded option



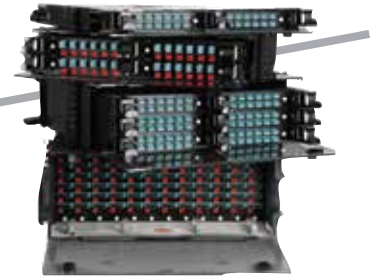
LANC
Up to 48 Fibres (LC)



LANS
Up to 48 Fibres (LC)

CCH Footprint

- 1-3U sliding
- 4U fixed
- Modular
- Splicing
- UniCam
- Fibre and Copper*
- Pre-terminated Plug & Play*



CCH
Up to 288 Fibres (LC)

*Accessories needed.

Features

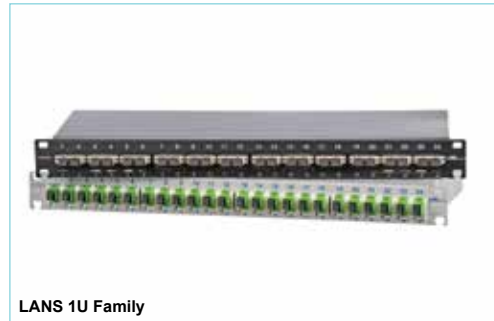
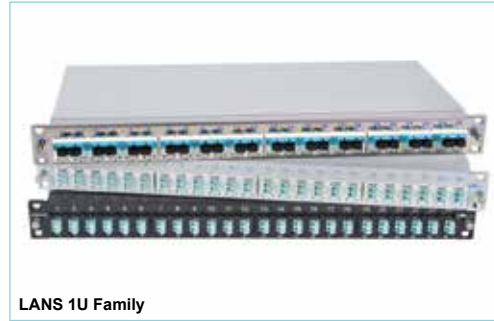
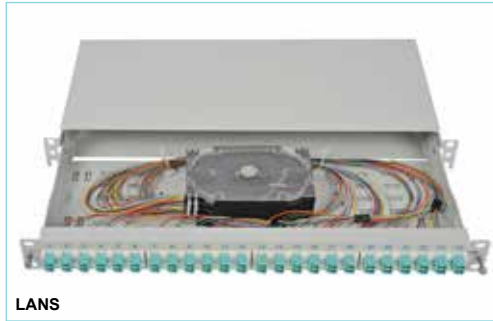
3.1.1 LANC/LANS Housings

Choose housing type and define colour.

Part Number	Description
LANC-01U-G	1U LANC Fixed Fibre Housing (24x LANscape®), grey
LANC-01U-B	1U LANC Fixed Fibre Housing (24x LANscape), black
LANS-01U-S4	1U LANS Sliding Fibre/Copper Housing (24x LANscape), silver
LANS-01U-G4	1U LANS Sliding Fibre/Copper Housing (24x LANscape), grey
LANS-01U-B4	1U LANS Sliding Fibre/Copper Housing (24x LANscape), black

Important Details

- LANC and LANS fibre adapter modules are interchangeable and can be used in both housing types
- LANS housings can combine fibre modules and FutureCom™ S250 and S500 copper jacks at the same time
- LANS copper integration requires LANS-STRN-x accessory
- LANS-01U-S4 has a stainless steel front and a grey body
- LANS housings are shipped with one cable strain-relief bracket that holds two M20/M25 glands and one blind panel for the rear openings
- Cable glands and blanks for unused front spaces need to be ordered separately



Fibre Optic Hardware: LANC/LANS Adapter Modules

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3.1.2 LANC/LANS Adapter Modules (White Mounting for Panels with Silver or Grey Front)

Choose fibre type, adapter style, and fill remaining openings with blanks.

Fibre Type				Adapter Style			Sleeve		Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Duplex	SC Duplex	ST ^T Compatible Simplex	Ceramic	Metal		
				Shutters*					LANS-MOD-AD-W	LC Duplex OM3/OM4, Aqua Shuttered Adapter, ceramic sleeve (1x LANscape®)
									LANS-MOD-E7-W	SC Duplex OM3/OM4, Aqua Adapter, ceramic sleeve (2x LANscape)
				Shutters*					LANS-MOD-AE-W	LC Duplex SM, Blue Shuttered Adapter, ceramic sleeve (1x LANscape)
									LANS-MOD-72-W	SC Duplex SM, Blue Adapter, ceramic sleeve (2x LANscape)
									LANS-MOD-19-W	ST Compatible Simplex SM, metal Adapter, ceramic sleeve (1x LANscape)
									LANC-MOD-D2-W	LC Duplex OM2, Black Adapter, metal sleeve (1x LANscape)
									LANC-MOD-P5-W	SC Duplex OM2, Black Adapter, metal sleeve (2x LANscape)
									LANC-MOD-74-W	ST Compatible Simplex OM2, Metal Adapter, metal sleeve (1x LANscape)
									LANC-MOD-H7-W	LC Duplex OM3, Aqua Adapter, metal sleeve (1x LANscape)
									LANC-MOD-E8-W	SC Duplex OM3, Aqua Adapter, metal sleeve (2x LANscape)
									LANC-MOD-L4-W	LC Duplex SM, Blue Adapter, metal sleeve (1x LANscape)
									LANC-MOD-D8-W	SC Duplex SM, Blue Adapter, metal sleeve (2x LANscape)
									LANC-MOD-16-W	ST Compatible Simplex SM, Metal Adapter, metal sleeve (1x LANscape)
Additional Product									WAXWSM-00101-C001	Pack of Six Blanks, white (1x LANscape each)

*Self-closing shutters for LANS adapter modules with LC duplex adapters.



LANC-MOD-AE-W



LANC-MOD-L4-W



LANS-MOD-E7-W



LANS-MOD-19-W



WAXWSM-00101-C001

3.1.2 LANC/LANS Adapter Modules (Black Mounting for Panels with Black Front)

Choose fibre type, adapter style, and fill remaining openings with blanks.

Fibre Type				Adapter Style			Sleeve		Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Duplex	SC Duplex	ST Compatible Simplex	Ceramic	Metal		
				Shutters*					LANS-MOD-AD-B	LC Duplex OM3/OM4, Aqua Shuttered Adapter, ceramic sleeve (1x LANscape®)
									LANS-MOD-E7-B	SC Duplex OM3/OM4, Aqua Adapter, ceramic sleeve (2x LANscape)
				Shutters*					LANS-MOD-AE-B	LC Duplex SM, Blue Shuttered Adapter, ceramic sleeve (1x LANscape)
									LANS-MOD-72-B	SC Duplex SM, Blue Adapter, ceramic sleeve (2x LANscape)
									LANS-MOD-19-B	ST Compatible Simplex SM, Metal Adapter, ceramic sleeve (1x LANscape)
									LANC-MOD-D2-B	LC Duplex OM2, Black Adapter, metal sleeve (1x LANscape)
									LANC-MOD-P5-B	SC Duplex OM2, Black Adapter, metal sleeve (2x LANscape)
									LANC-MOD-74-B	ST Compatible Simplex OM2, Metal Adapter, metal sleeve (1x LANscape)
									LANC-MOD-H7-B	LC Duplex OM3, Aqua Adapter, metal sleeve (1x LANscape)
									LANC-MOD-E8-B	SC Duplex OM3, Aqua Adapter, metal sleeve (2x LANscape)
									LANC-MOD-L4-B	LC Duplex SM, Blue Adapter, metal sleeve (1x LANscape)
									LANC-MOD-D8-B	SC Duplex SM, Blue Adapter, metal sleeve (2x LANscape)
									LANC-MOD-16-B	ST Compatible Simplex SM, Metal Adapter, metal sleeve (1x LANscape)
Additional Product									WAXWSM-00108-C001	Pack of six Blanks, black (1x LANscape each)

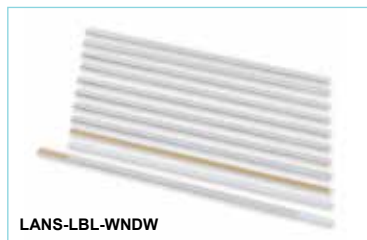
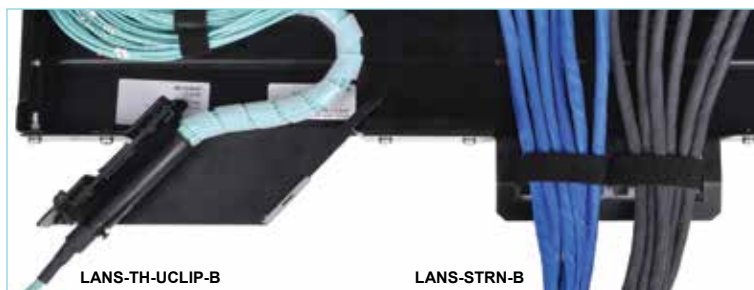
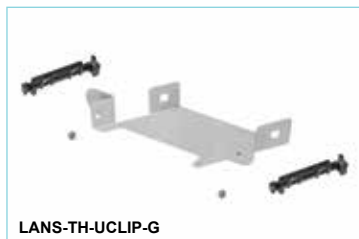
*Self-closing shutters for LANS adapter modules with LC duplex adapters.



Fibre Optic Hardware: LANC/LANS Adapter Modules

3.1.3 LANC/LANS Accessories

Part Number	Description
LANS-STRN-G	Copper/FTTD Cable Strain-Relief including brush strip, grey
LANS-STRN-B	Copper/FTTD Cable Strain-Relief including brush strip, black
LANS-TH-UCLIP-G	Plug & Play™ Systems U-clip Trunk Holder, holds two trunks, grey
LANS-TH-UCLIP-B	Plug & Play Systems U-clip Trunk Holder, holds two trunks, black
LANS-CAB-INST-BRKT-G	Additional Cable Mounting Bracket for M20/M25 glands, grey
LANS-CAB-INST-BRKT-B	Additional Cable Mounting Bracket for M20/M25 glands, black
LANS-LBL-WNDW	Self-adhesive Labelling Windows, including paper strips (pack of 10)
LANS-M20	Cable Glands M20 for cable diameters 6-12 mm (pack of 10)
LANS-M25	Cable Glands M25 for cable diameters 9-16 mm (pack of 10)
WAXWSW-00000-C009	1U Patch Cable Guides (left and right), silver
WAXWSW-00008-C009	1U Patch Cable Guides (left and right), black



IP Surveillance

Fibre-based cabling solution for IP cameras
(field termination with UniCam® Connectors)

LANscape® Solutions



1 CCAEIA-DQ002-A010-C0
Shielded Cat 6 Copper Patch Cord
Media Converter to IP-Camera



3 95-050-40
UniCam® Standard-performance
Connector, SC MM/OM2



6 004T8X-32138E2G
FREEDM™ Tight Buffer MPC Cable
U-VQ(ZN)H 4F MM/OM2



Media Converter
Dome IP-Camera



Maximum 600 m @ 1GE

1 CCAEIA-DQ002-A010-C0
Shielded Cat 6 Copper Patch Cord
Media Converter to IP-Camera

2 575702B5Z31001M
SC Duplex to SC Duplex MM/OM2
CC Fibre Patch Cord
Fibre Panel to Media Converter

3 95-050-40
UniCam Standard performance
Connector, SC MM/-OM2

4 LANC-MOD-P5-B
Fibre Adapter Module SC Duplex
MM/OM2 (2x LANscape®)

5 LANC-01U-B
1U Fixed Fibre Housing
(24x LANscape)

6 004T8X-32138E2G
FREEDM™ Tight Buffer MPC Cable
U-VQ(ZN)H 4F MM/OM2

DVR
Media Converter

CORNING

Example of Application: IP Surveillance

Fibre Optic Hardware: Closet Connector Housings (CCH)

Closet Connector Housings

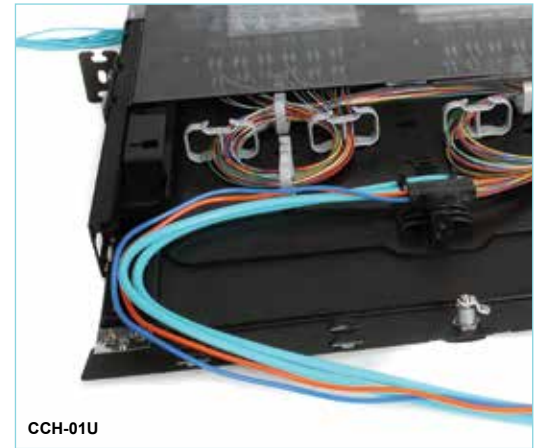
Designed based on thousands of hours of customer feedback, Corning closet connector housings (CCHs) offer more than two dozen innovative features that make installation and troubleshooting of fibre optic connectivity faster, easier, and more cost-effective. From fibre and cable routing and strain-relief,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



3.1.4 Closet Connector Housings (CCH)

Product	Description
CCH-01U	1U CCH Sliding Fibre Housing (2x CCH horizontal), black
CCH-02U	2U CCH Sliding Fibre Housing (4x CCH horizontal), black
CCH-03U	3U CCH Sliding Fibre Housing (6x CCH horizontal), black
CCH-04U	4U CCH Fixed Fibre Housing (12x CCH vertical), black

- 1U, 2U, and 3U versions have removable transparent covers
- 4U version has platinum-coloured interior for enhanced visibility
- All versions can be flush mounted by removing the front elements
- Labelling cards, strain-relief brackets, routing clips, and blanks for unused front spaces are provided with the housings



www.corning.com/opcomm/emea/CCH

**THINK
INSIDE
THE BOX**

Fibre Optic Hardware: Closet Connector Housings (CCH) Adapter Panels

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CCH Adapter Panels

These adapter panels (CCHE-CP) are offered in a variety of fibre counts and industry-standard Single-mode and Multimode adapter types for use with CCH housings and other distribution panels based on CCH footprint. They can be used with factory-installed or field-installable UniCam® connectors.

3.1.5 CCH Adapter Panels

Recommended for use with field-installable UniCam connectors or pre-terminated cable assemblies.

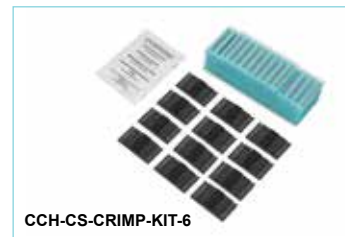
Fibre Type				Adapter Styles			Capacity		Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Duplex	SC Duplex	ST Compatible Simplex	12 Fibre	24 Fibre		
									CCHE-CP24-D3	LC MM/OM2, 12 Duplex Adapters, ceramic sleeve
									CCHE-CP12-G7	SC MM/OM2, six Duplex Adapters, ceramic sleeve
									CCHE-CP12-15	ST Compatible MM/OM2, 12 Simplex Metal Adapters, ceramic sleeve
				Shutters*					CCHE-CP24-AD	LC MM/OM3+OM4, 12 Duplex Shuttered Adapters, ceramic sleeve
									CCHE-CP24-E4	LC MM/OM3+OM4, 12 Duplex Adapters, ceramic sleeve
									CCHE-CP12-E7	SC OM3/OM4, six Duplex Adapters, ceramic sleeve
				Shutters*					CCHE-CP24-AE	LC SM/OS2, 12 Duplex Shuttered Adapters, ceramic sleeve
									CCHE-CP24-04	LC SM/OS2, 12 Duplex Adapters, ceramic sleeve
									CCHE-CP12-72	SC SM/OS2, six Duplex Adapters, ceramic sleeve
									CCHE-CP12-19	ST Compatible SM/OS2, 12 Simplex Metal Adapters, ceramic sleeve
Additional Product									CCHE-CP00-LS	Empty Panel, accepting up to six LANscape® modules (fibre or copper) including cable strain-relief, black

* Self-closing shutters for selected LC duplex adapters.



3.1.6 Closet Connector Housings (CCH) Accessories

Part Number	Description
SPH-01P	Wall-mountable Compact Housing for one CCH adapter panel (not included), including heat-shrink splice holder (maximum 12 fibres), with accessory CCH-CS-CRIMP-KIT-6 for up to 24 crimp splices, alternative to direct termination (UniCam® Connectors)
CCH-CS	CCH Splice Module for one CCH adapter panel for up to 24 fibres (not included), including various accessories for strain-relief, 12 single-fibre heat-shrink splice protectors, protective braided tubing, and rails for use with CCH-01U to -04U housings
CCH-CF	CCH Slack Storage Cassette for one CCH Adapter Panel (not included), provides modular slack storage for incoming cables, which could be field terminated (UniCam Connectors); comes with protective braided tubing, various accessories for strain-relief, and rails for use with CCH-01U to -04U housings
CCHA-LOCK-KIT	Locking Kit compatible with CCH-01U, CCH-02U, CCH-03U, CCH-04U front and rear doors
CCH-CS-CRIMP-KIT-6	CCH Crimp Kit, including 12 splice organisers and crimp splice protectors (for up to 144 fibres)
CCH1-STRN-EXT	Additional External Strain-relief Bracket for the CCH-01U, CCH-02U, CCH-03U
CCH4-STRN-EXT	Additional External Strain-relief Bracket for the CCH-04U
CCHA-LABEL-PNL-50	Additional Adhesive Labels for the CCH; contains 50 labels
UCC-001	Universal Cable Clamp Kit for use with external strain-relief brackets of CCH housings; includes one cable clamp and inserts for one cable up to 28.5 mm diameter or up to five 10 mm or smaller cables



*Image shows sample configuration.

Fibre Optic Hardware: Wall-mountable Hardware

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3.2 Wall-mountable Hardware

Wall-mountable hardware with Closet Connector Housings (CCH) footprint is available in different versions with different capacities. For optional accessories, such as brackets, please refer to our online catalogue.

Part Number	Description
3.2.1 WCH/WCHE Housings (Indoor)	
WCH-02P	Wall-mountable Connector Housing, holds two CCH splice modules
WCH-04P	Wall-mountable Connector Housing, holds four CCH splice modules
WCH-02P	Wall-mountable Connector Housing, holds six CCH splice modules
WCHE-02P	Wall-mountable Connector Housing, holds two CCH adapter panels and one standard splice tray
WCHE-04P	Wall-mountable Connector Housing, holds four CCH adapter panels and four MFT splice trays
WCHE-06P	Wall-mountable Connector Housing, holds six CCH adapter panels and four MFT splice trays
WCHE-12P	Wall-mountable Connector Housing, holds 12 CCH adapter panels and 6 MFT splice trays
WCHE-SPLC-2P	Splice Tray Holder for WCHE-02P, accommodates standard splice trays
WCHE-SPLC-4-6-12	Splice Tray Holder for WCHE-04P, WCHE-06P, and WCHE-12P, accommodates MFT splice trays
S46998-A2-R135	Multifunction Splice Trays (MFT) for 24-fibre heat-shrink protection, including cover (pack of 10)
S46998-A2-R136	Multifunction Splice Trays (MFT) for 24-fibre crimp protection, including cover (pack of 10)
S46998-A4-A2	Standard Splice Trays for 12-fibre capacity, including cover (pack of 10)
3.2.2 EDC Housings (Indoor/Outdoor)	
EDC-02P-NH	Environmental Distribution Center, holds two CCH adapter panels and one metal splice tray M67-110
EDC-06P-NH	Environmental Distribution Center, holds six CCH adapter panels and six metal splice trays M67-048
EDC-12P-NH	Environmental Distribution Center, holds 12 CCH adapter panels and six metal splice trays M67-076
M67-110	Standard Splice Tray for 12-fibre heat-shrink protection or 6-fibre mass fusion splices, cover included
M67-048	Standard Splice Tray for 12-fibre heat-shrink protection, cover included
M67-076	Standard Splice Tray for 12-fibre heat-shrink protection or 6-fibre mass fusion splices, cover included



M67-110



M67-048



M67-076



M67-110



M67-048



M67-076



WCH-06P



WCHE-02P



EDC-02P-NH

Part Number	Description
3.2.3 ICH Housings (Indoor/Outdoor)	
ICH-02P	Industrial Connector Housing (2x CCH) for up to 4x M67-068 or 2x M67-076 metal splice trays
ICH-06P	Industrial Connector Housing (6x CCH) for up to 6x M67-068 or 3x M67-110 metal splice trays
ICH-12P	Industrial Connector Housing (12x CCH) for up to 12x M67-068 or 6x M67-110 metal splice trays
ICH-SPLC-2	Splice Tray Holder for ICH-02P, for metal splice trays
ICH-SPLC-6	Splice Tray Holder for ICH-06P, for metal splice trays
ICH-SPLC-12	Splice Tray Holder for ICH-12P, for metal splice trays
M67-068	Standard Splice Tray for 6-fibre heat-shrink protection, cover included
M67-076	Standard Splice Tray for 12-fibre heat-shrink protection or 6-fibre mass fusion splices, cover included
M67-110	Standard Splice Tray for 12-fibre heat-shrink protection or 6-fibre mass fusion splices, cover included
3.2.4 SPH Housing (Indoor)	
SPH-01P	Single-panel Housing, holds one CCH adapter panel
SPH-DIN-KIT	Top-hat/DIN Rail Mounting Kit
3.2.5 Accessories	
S46999-Z12-A1	Splice Organiser for standard splice trays, 6-fibre heat-shrink protection (pack of 10)
C46197-A7-A69	Splice Organiser for standard splice trays, 12-fibre crimp protection (pack of 10)
CSP-1	Crimp Splice Protector (pack of 150)
HSP60S100-1	Heat-shrink Protector 60 mm (pack of 100)



*Image shows sample configuration.

Fibre Optic Hardware: Wall-mountable Hardware

Fibre Optic Hardware: Splice Closures and Accessories

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3.3 Fibre Optic Splice Closures and Accessories

Part Number	Description
3.3.1 In-line Closures	
S45754-A3-A60	UCAO 4-9 MFT In-line Splice Closure, mechanical end caps, up to 168-fibre capacity
S45754-A3-A17	UCAO 4-9 Standard In-line Splice Closure, mechanical end caps, up to 60-fibre capacity
S46998-A2-R135	Multifunction Splice Trays (MFT) for 24-fibre heat-shrink protection, including cover (pack of 10)
S46998-A2-R136	Multifunction Splice Trays (MFT) for 24-fibre crimp protection, including cover (pack of 10)
S46998-A4-A2	Standard Splice Trays for 12-fibre capacity, including cover (pack of 10)
S46999-Z12-A1	Splice Organiser for standard splice trays, 6-fibre heat-shrink protection (pack of 10)
C46197-A7-A69	Splice Organiser for standard splice trays, 12-fibre crimp protection (pack of 10)
CSP-1	Crimp Splice Protector (pack of 150)
HSP60S100-1	Heat-shrink Protector 60 mm (pack of 100)



S45754-A3-A60



UCAO



CSP-1 (pack)



CSP-1 (individual)



S46998-A2-R135

Part Number	Description
3.3.2 Dome Closures	
S46998-A22-A13	OptiDome® 2 Dome Splice Closure, gel end cap, up to 48-fibre capacity
SCG-8C-18-01	Splice Closure with gel end cap includes splice trays, up to 144-fibre capacity
HSP60S100-1	Heat-shrink Protector 60 mm (pack of 100)



*Image shows sample configuration.

Fibre Optic Hardware: Splice Closures and Accessories

Fibre Patch Cords

4. Fibre Patch Cords

4.1 Fibre Patch Cords with LC, SC, and ST® Connectors

Modify last digits of part number to needed length, e.g., 02 M for 2 metres; all offered fibres are bend-insensitive (multimode: Corning® ClearCurve® fibre, single-mode: Corning XB fibre).

Fibre Type				Connector Style – 1st End			Connector Style – 2nd End			Part Number	Description
MM OM2	MM OM3	MM OM4	SM OS2	LC Duplex	SC Duplex	ST Compatible Simplex	LC Duplex	SC Duplex	ST Compatible Simplex		
										050502B5Z20001M	LC Duplex to LC Duplex MM/OM2 CC Fibre Patch Cord 1 m
										055702B5Z20001M	LC Duplex to SC Duplex MM/OM2 CC Fibre Patch Cord 1 m
										055002B5Z20001M	LC Duplex to ST Compatible MM/OM2 CC Fibre Patch Cord 1 m
										575702B5Z31001M	SC Duplex to SC Duplex MM/OM2 CC Fibre Patch Cord 1 m
										505702B5Z31001M	SC Duplex to ST Compatible MM/OM2 CC Fibre Patch Cord 1 m
										505002B5Z31001M	ST Compatible to ST Compatible MM/OM2 CC Fibre Patch Cord 1 m
				Uniboot			Uniboot			E797902TNZ20001M	LC Duplex to LC Duplex MM/OM3 CC Uniboot Fibre Patch Cord 1 m
				Uniboot						577902TNZ20001M	LC Duplex Uniboot to SC Duplex MM/OM3 CC Fibre Patch Cord 1 m
										575702T5Z80001M	SC Duplex to SC Duplex MM/OM3 CC Fibre Patch Cord 1 m
				Uniboot			Uniboot			E797902QNZ20001M	LC Duplex to LC Duplex MM/OM4 CC Uniboot Fibre Patch Cord 1 m
				Uniboot						577902QNZ20001M	LC Duplex Uniboot to SC Duplex MM/OM4 CC Fibre Patch Cord 1 m
				Uniboot			Uniboot			E787802GNZ20001M	LC Duplex to LC Duplex SM/OS2 XB Uniboot Fibre Patch Cord 1 m
				Uniboot						727802GNZ20001M	LC Duplex Uniboot to SC Duplex SM/OS2 XB Fibre Patch Cord 1 m
										046102H5Z20001M	LC Duplex to ST Compatible SM/OS2 XB Fibre Patch Cord 1 m
										727202H5Z31001M	SC Duplex to SC Duplex SM/OS2 XB Fibre Patch Cord 1 m
										617202H5Z31001M	SC Duplex to ST Compatible SM/OS2 XB Fibre Patch Cord 1 m
										616102H5Z31001M	ST Compatible to ST Compatible SM/OS2 XB Fibre Patch Cord 1 m



*Image shows sample configuration.

4.2 LC Uniboot Triggers with Colour Coding

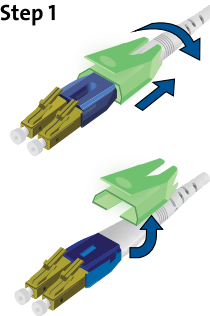
Interchangeable triggers for LC Uniboot fibre connectors are available in 10 different colours.

Part Number	Description
TRIGGER-BP-U-N	LC Uniboot Trigger (pack of 100), blue
TRIGGER-BP-U-E	LC Uniboot Trigger (pack of 100), orange
TRIGGER-BP-U-G	LC Uniboot Trigger (pack of 100), green
TRIGGER-BP-U-K	LC Uniboot Trigger (pack of 100), beige
TRIGGER-BP-U-C	LC Uniboot Trigger (pack of 100), grey
TRIGGER-BP-U-R	LC Uniboot Trigger (pack of 100), red
TRIGGER-BP-U-B	LC Uniboot Trigger (pack of 100), black
TRIGGER-BP-U-Y	LC Uniboot Trigger (pack of 100), yellow
TRIGGER-BP-U-V	LC Uniboot Trigger (pack of 100), violet
TRIGGER-BP-U-A	LC Uniboot Trigger (pack of 100), aqua



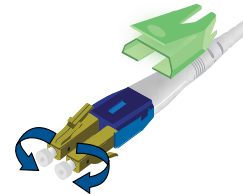
TRIGGER-BP-U

Step 1



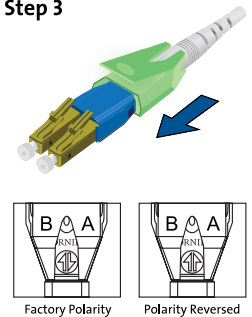
- Rotate boot 45 degrees
- Slide and lift trigger to remove from assembly

Step 2



- Rotate LC connectors 180 degrees

Step 3

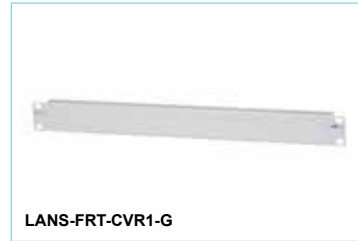


- Reinstall trigger
- Rotate boot back to original position

5. Fibre Accessories

5.1 Cable Management

Part Number	Description
LANS-FRT-CVR1-S	1U Blank Panel, silver
LANS-FRT-CVR1-G	1U Blank Panel, grey
LANS-FRT-CVR1-B	1U Blank Panel, black
LANS-PATCH-RTR-S	1U Fibre Patch Cable Management Panel, silver
LANS-PATCH-RTR-G	1U Fibre Patch Cable Management Panel, grey
LANS-PATCH-RTR-B	1U Fibre Patch Cable Management Panel, black



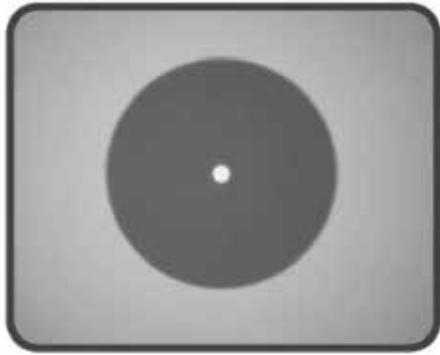
5.2 Cleaning

Part Number	Description
CLEANER-PORT-2.5	Single-fibre Port SC/ST® Compatible Cleaner (2.5 mm ferrules)
CLEANER-PORT-LC	Single-fibre Port LC Cleaner (1.25 mm ferrules)

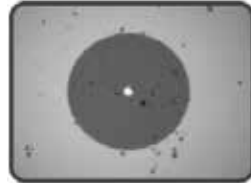


End-Face Polish Quality

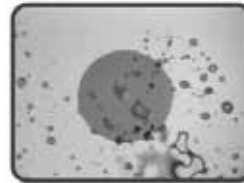
GOOD END FACE



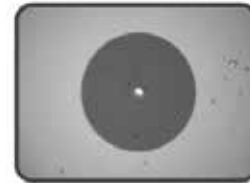
DIRT



OIL



PITS

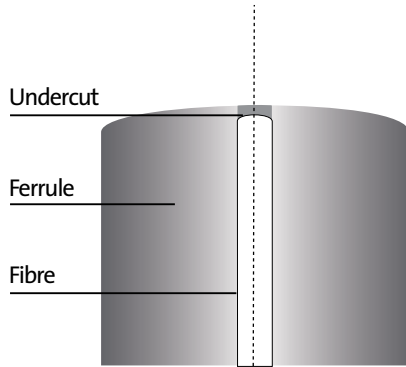


SCRATCHES

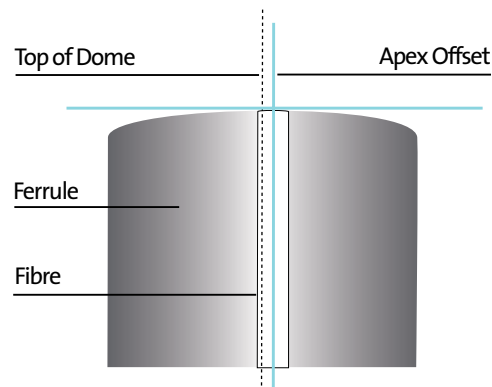


Connector End-Face Geometry Terminology

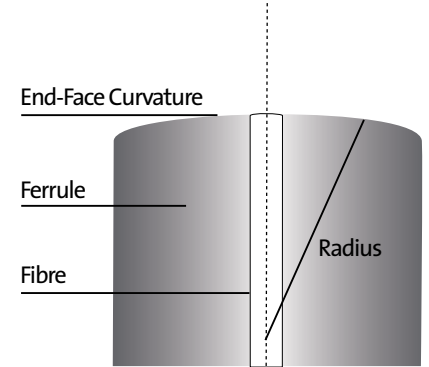
FIBRE UNDERCUT



APEX OFFSET



RAIDUS OF CURVATURE



6. Fibre Sample Configurations

Scenario 1 1U LANS Housing with 24-Fibre Fusion Splicing and 12x RJ-45 Copper Jacks	
Part Number	Description
1x LANS-01U-G4	1U LANS Sliding Fibre/Copper Housing (24x LANScape®), grey
12x LANS-MOD-AD-W	LC Duplex MM OM3/OM4 Fibre Module Ceramic Sleeve, white mounting (1x LANScape)
2x SP12-03T-S8	LC MM/OM3 Universal Splice Pack for heat-shrink/crimp protection, including 12 pigtails and cover
1x HSP-60S100-1	Heat-shrink Protector 60 mm (100 pieces)
2x 200 m 012TEU-13188D2G	FREEDM™ Gel-free Indoor/Outdoor Cable 12x MM/OM3 CC CT
1x LANS-M20	Cable Glands M20 for cable diameters 6-12 mm (pack of 10)
12x CAXASM-00104-C001	FutureCom™ S500 Copper Jack Cat.6 _A /Class EA (1x LANScape)
1x CAXCSN-00000-C011	Copper Conducting Tape (needed for xs500/S500 jacks)
500 m CCxEDR-D0047-C003-L6	S/FTP 550/23s Cat.6 _A 4P simplex 500 m drum LSZH™
1x LANS-STRN-G	Copper/FTTD Cable Strain-Relief, including brush strip, grey

Scenario 2 1U LANC Housing with 12-Fibre UniCam® Termination	
Part Number	Description
1x LANC-01U-B	1U LANC Fixed Fibre Housing (24x LANScape), black
6x LANC-MOD-L4-B	LC Duplex SM/OS2 Fibre Module Metal Sleeve, black mounting (1x LANScape)
3x WAXWSM-00108-C001	Pack of six black blanks (1x LANScape each)
12x 95-200-99	LC SM/OS2 UPC High-performance UniCam Connector
1,000 m 012E8X-32125E2G	FREEDM Tight Buffer Indoor/Outdoor Cable 12x SM/OS2 (SMF-28e+®)
1x LANS-M20	Cable Glands M20 for cable diameters 6-12 mm (pack of 10)

Scenario 3 1U CCH Housing Combining 24-Fibre Fusion Splicing and 24-Fibre Direct Termination with UniCam Connectors	
Part Number	Description
1x CCH-01U	1U CCH Sliding Fibre Housing (2x CCH horizontal), black
1x CCH-CS24-A9-P00RE	LC SM/OS2 24-Fibre CCH Splice Module, including heat-shrink protectors, 24 pigtails and adapters
1x CCH-CS-CRIMP-KIT-6	CCH Crimp Kit, including 12 splice organisers and crimp splice protectors (for up to 144 fibres)
1x 750 m 024EEU-13122A2G	Central Tube Dielectric Armour Indoor/Outdoor Cable 24x SM/OS2 (SMF-28e+)
1x CCH-CP12-G7	12-Fibre CCH Adapter Panel, 6x SC Duplex adapters MM/OM2, ceramic sleeve
12x 95-050-40	SC MM/OM2 Standard-performance UniCam Connector
1x 150 m 012T8X-32138E2G	FREEDM Tight Buffer Indoor/Outdoor Cable 12x MM/OM2 CC
1x CCH1-STRN-EXT	Additional External Strain-relief Bracket for the CCH-01U, CCH-02U, CCH-03U

Scenario 4 4U CCH Housing with 288-Fibre Fusion Splicing	
Part Number	Description
1x CCH-04U	4U CCH Fixed Fibre Housing (12x CCH vertical), black
12x CCH-CS24-AD-P00QE	CCH Splice Module with pigtails LC MM/OM4, self-closing shutters, including heat-shrink protectors, 24 pigtails and adapters
1x CCH-CS-CRIMP-KIT-6	CCH Crimp Kit, including 12 splice organisers and crimp splice protectors (for up to 144 fibres)
12x 400 m 024TEU-13198A2G	Central Tube Indoor/Outdoor Cable 24x MM/OM4 CC
1x CCH4-STRN-EXT	Additional External Strain-relief Bracket for the CCH-04U

Register your equipment to receive a **FREE gift (60€ Value)** and **on-site product training**.



<http://opcomm.corning.com/3-ToolKitRegistration>

CORNING

LAN-1436-BEN

- Register the tool kit online
- Receive a free cleaning tool (60€ value)
- Receive additional information about the UniCam® solution
- Would you like to receive training in your language?
- Do you need support?
- Register online and Corning will contact you

Did You Know?

- Corning has sold more than 70 million connectors
- Corning has 25 years of experience with UniCam®
- Corning has a 100 percent yield warranty on UniCam connectors
- UniCam connectors have a laser cleaved fibre stub
- The cleaver blade is designed for 10,000 cleaves
- Corning offers a loaner kit in case of repair or maintenance

need
help?

Training in your language!



Visit:

<http://opcomm.corning.com/3-ToolKitRegistration>

Customer Care

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xtra

performance

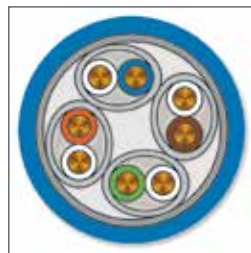
affordability

flexibility



FutureCom™
xs500

Cat.6_A Copper Jack



Enterprise Networks

Copper Products for Local Area Networks



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Please also visit:

www.corning.com/opcomm/stp

CORNING

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for Local Area Networks

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FutureCom System Solutions



MAKE YOUR JOB EVEN EASIER

by downloading the Excel list of
key products for your region

CORNING

IP Surveillance

Copper-based cabling solution for IP cameras
(up to 120 m)

FutureCom™ Solutions



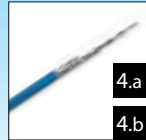
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2

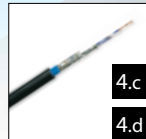


3



4.a

4.b



4.c

4.d



5

- 1 CCAAGB-G1002-A010-C0
Shielded Cat.6_A Copper Patch Cord
- 2 CAXCSE-U0201-C001
Universal Shuttered Surface-Mount Housing (2x LANscape®)
- 3 CAXASM-00104-C001
S500 LANscape Cat.6_A/Class EA Copper Jack

Dome IP Camera

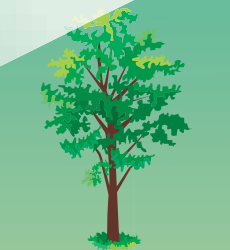
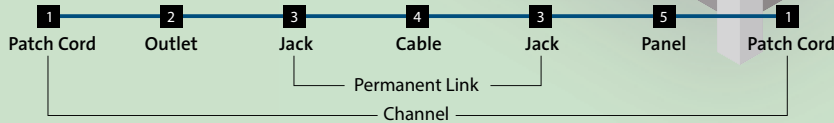
- 4.a CCXFCB-L0047-C002-L7
S/FTP 1200/22 AXR Cat.7_A 4P
Simplex LS0H/LSZH™, FRNC
(up to 120 m)

- 4.b CCXEDB-F0047-C001-L7
S/FTP 800/23 Cat.7 4P
Simplex LS0H/LSZH, FRNC
(up to 90 m)

- 4.c CCXSDB-F0047-C001-L7
S/FTP 800/23 Cat.7 4P
Simplex, outer PE jacket, black
outdoor cable with diffusion barrier
(up to 90 m)

- 4.d CCXSCB-L0047-C002-L7
S/FTP 1200/22 AXR Cat.7_A 4P
Simplex, outer PE jacket, black
outdoor cable with diffusion barrier
(up to 120 m)

- 1 CCAAGB-G1002-A010-C0
Shielded Cat.6_A Copper Patch Cord
- 3 CAXASM-00104-C001
S500 LANscape Cat.6_A/Class EA
Copper Jack
- 5 WAXWSV-02408-C001
1U Copper Patch Panel, black
(24x LANscape)



CORNING

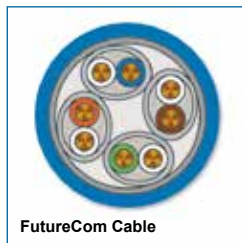
Example of Application: IP Surveillance

Copper Cables: Cat.6 and Cat.6_A

7. Copper Cables

Blue, low-smoke zero-halogen (LSZH™) cable jacketing; duplex (8 pairs) and triplex (12 pairs) cable versions available upon request.

Drum Size			Wire Diameter		Braiding		Part Number	Description
250 m Box	500 m Drum	1,000 m Drum	AWG 22	AWG 23	Enhanced	Standard		
7.1 FutureCom™ Cat.6 Copper Cables								
305 m/1,000 ft box						Foil	CCXERA-B0047-C001-X1	U/FTP 250/23 4P Simplex LSZH™/FRNC 305 m
						Foil	CCXERA-B0047-C001-L7	U/FTP 250/23 4P Simplex LSZH/FRNC 1,000 m
						Foil/Foil	CCXDDA-D0047-C001-L7	F/FTP 450/23 4P Simplex LSZH/FRNC 1,000 m
7.2 FutureCom Cat.6_A Copper Cables								
						Foil/Foil	CCXEDA-D0047-C001-X2	F/FTP 550/23 4P Simplex LSZH/FRNC 250 m
305 m/1,000 ft drum						Foil/Foil	CCXEDA-D0047-C001-M4	F/FTP 550/23 4P Simplex LSZH/FRNC 305 m
						Foil/Foil	CCXEDA-D0047-C001-L6	F/FTP 550/23 4P Simplex LSZH/FRNC 500 m
						Foil/Foil	CCXEDA-D0047-C001-L7	F/FTP 550/23 4P Simplex LSZH/FRNC 1,000 m
							CCXEDR-D0047-C003-X2	S/FTP 550/23s 4P Simplex LSZH/FRNC 250 m
							CCXEDR-D0047-C003-L6	S/FTP 550/23s 4P Simplex LSZH/FRNC 500 m
							CCXEDR-D0047-C003-L7	S/FTP 550/23s 4P Simplex LSZH/FRNC 1,000 m
							CCXEDB-D0047-C001-X2	S/FTP 550/23 4P Simplex LSZH/FRNC 250 m
							CCXEDB-D0047-C001-L6	S/FTP 550/23 4P Simplex LSZH/FRNC 500 m
							CCXEDB-D0047-C001-L7	S/FTP 550/23 4P Simplex LSZH/FRNC 1,000 m



Drum Size			Wire Diameter		Braiding		Part Number	Description
250 m Box	500 m Drum	1,000 m Drum	AWG 22	AWG 23	Enhanced	Standard		
7.3 FutureCom™ Cat.7 Copper Cables								
						Foil/Foil	CCXEDA-F0047-C001-X2	F/FTP 750/23 4P Simplex LSZH™/FRNC 250 m
						Foil/Foil	CCXEDA-F0047-C001-L6	F/FTP 750/23 4P Simplex LSZH/FRNC 500 m
						Foil/Foil	CCXEDA-F0047-C001-L7	F/FTP 750/23 4P Simplex LSZH/FRNC 1,000 m
							CCXEDR-F0047-C001-X2	S/FTP 800/23s 4P Simplex LSZH/FRNC 250 m
							CCXEDR-F0047-C001-L6	S/FTP 800/23s 4P Simplex LSZH/FRNC 500 m
							CCXEDR-F0047-C001-L7	S/FTP 800/23s 4P Simplex LSZH/FRNC 1,000 m
							CCXEDB-F0047-C001-X2	S/FTP 800/23 4P Simplex LSZH/FRNC 250 m
							CCXEDB-F0047-C001-L6	S/FTP 800/23 4P Simplex LSZH/FRNC 500 m
							CCXEDB-F0047-C001-L7	S/FTP 800/23 4P Simplex LSZH/FRNC 1,000 m
7.4 FutureCom Cat.7_A Copper Cables								
							CCXEDR-I0047-C001-L7	S/FTP 1000/23s 4P Simplex LSZH/FRNC 1,000 m
							CCXEDB-I0047-C001-L7	S/FTP 1000/23 4P Simplex LSZH/FRNC 1,000 m
							CCXFCR-I0047-C001-L7	S/FTP 1000/22s 4P Simplex LSZH/FRNC 1,000 m
							CCXFCB-I0047-C001-L7	S/FTP 1000/22 4P Simplex LSZH/FRNC 1,000 m
7.5 FutureCom Cat.7_{A+} Copper Cables								
							CCXFCR-I0047-C002-L7	S/FTP 1200/22s 4P Simplex LSZH/FRNC 1,000 m
							CCXFCB-L0047-C001-L7	S/FTP 1200/22 4P Simplex LSZH/FRNC 1,000 m
							CCXFCB-L0047-C002-L7	S/FTP 1200/22 AXR 4P Simplex LSZH/FRNC 1,000 m
Cable Stripping Tool							CAXFSN-00000-C001	Cable Preparation Tool for S/FTP or F/FTP cable

Go beyond link length!

FutureCom S/FTP 1200/22 A-XR (Augmented eXtended Reach) cable with improved attenuation propagation delay (low skew)

Our shielded twisted-pair S/FTP 1200/22 A-XR cable provides extended reach, exceeding existing standards. If combined with our S500 copper jacks, we warrant 120 m. Please contact us for more details.

Copper Terminations: Cat.6 and Cat.6_A

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8. Copper Terminations

Channel Performance			Wire Type		Mechanical Footprint			Network Features				Part Number	Description	
Class E Channel (4 connectors)	Class EA Channel (4 connectors)	Class EA Channel (6 connectors)	Solid (AWG)	Flex (AWG)	LANscape ⁺	Keystone	Shutter	PoE	PoE+	1GbE	10GbE			
8.1 FutureCom™ S250 Cat.6/Class E (LANscape)														
			22-24										CAXESM-00100-C001	S250 Jack/white
				24-26									CAXESM-00100-C004	S250fx Jack/white
8.2 FutureCom xs500 Cat.6_A/Class EA (Keystone)														
			22-24		Adapter		blue						CAXXSM-00104-C001	xs500 Jack/blue*
			22-24		Adapter		blue						CAXXSM-00104-C011-BP	xs500 Jack/blue* bulk pack of 24
				26-27	Adapter		blue						CAXXSM-00104-C002	xs500fx Jack/blue*
8.3 FutureCom S500 Cat.6_A/Class EA (LANscape)														
			22-24				black						CAXASM-00104-C001	S500 Jack/blue* **
				24-26			black						CAXASM-00104-C002	S500fx Jack/blue*
Assembly Tool for FutureCom S250 and S500 Copper Jacks												CAXCSN-00000-C010	Assembly Tool S250/S500	
Assembly Tool for FutureCom xs500 Copper Jacks												CAXCSN-00000-C008	Parallel Pliers xs500	

* Copper conducting tape is not included with xs500/S500 jacks and needs to be ordered separately: CAXCSN-00000-C011.

**Our S/FTP 1200/22 AXR cable provides extended reach, exceeding existing standards. If combined with our S500 copper jacks, we warrant 120m.

Additional dust caps (CAXXSN-0000*-C001) for the Corning FutureCom xs500 copper jacks are available in three colours and allow segmentation of different networks.



CAXESM-00100-C001



CAXXSN-00110-C001

CAXXSM-00104-C001 in
CAXXSN-00110-C001

CAXASM-00104-C001



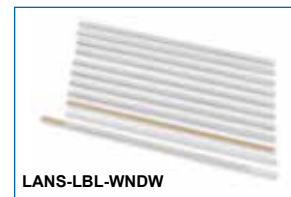
CAXASM-00104-C001



CAXXSN-0000*-C001

9. Copper Patch Panels

Mechanical Footprint		Part Number	Description
LANscape®	Keystone		
9.1 FutureCom™ Patch Panels with Keystone Footprint			
		CAXXSV-02400-C001	1U Copper Patch Panel (24x Keystone), silver
		CAXXSV-02403-C001	1U Copper Patch Panel (24x Keystone), grey
		CAXXSV-02408-C001	1U Copper Patch Panel (24x Keystone), black
9.2 FutureCom Patch Panels with LANscape Footprint			
		WAXWSV-02400-C001	1U Copper Patch Panel (24x LANscape), silver
		WAXWSV-02403-C001	1U Copper Patch Panel (24x LANscape), grey
		WAXWSV-02408-C001	1U Copper Patch Panel (24x LANscape), black
9.3 Accessories			
		CAXXSN-00110-C001	Keystone to LANscape Adapter for FutureCom xs500 Jack
		CAXXSN-00101-C001	Pack of 10 blanks (1x Keystone each), white
		WAXWSM-00101-C001	Pack of six blanks (1x LANscape each), white
		WAXWSM-00108-C001	Pack of six blanks (1x LANscape each), black
		LANS-LBL-WNDW	Self-adhesive Labelling Windows, including paper strips (pack of 10)



Copper Outlets: Keystone and LANscape®

10. Copper Outlets

Listed outlets are supplied in white (RAL 9010 or similar).

Top-hat rail housings are supplied in grey.

Mechanical Footprint		Part Number	Description
LANscape®	Keystone		
10.1 Adapters and Outlets with Keystone Footprint			
	Shutter	CAXCOE-S0101-C001	25x50 mm EuroMod Inclined Shuttered Adapter UK Style (1x Keystone)
	Shutter	CAXCOE-S0101-C002	25x38 mm LJ6C Inclined Shuttered Adapter UK Style (1x Keystone)
		CAXXSE-S0301-C002	50x50 mm Inclined Central Plate German Style (3x Keystone)
		CAXXSE-V0103-C001	Top-hat Rail Inclined Shuttered Housing (1x Keystone), grey
		CAXCOE-V0114-C001	45x45 mm Inclined Curved Projecting Housing Adapter Style (1x Keystone)
10.2 Adapters and Outlets with LANscape Footprint			
Shutters		CAXCSE-S0101-C001	25x50 mm EuroMod Inclined Shuttered Adapter UK Style (1x LANscape)
Shutters		CAXCSE-S0101-C002	25x38 mm LJ6C Inclined Shuttered Adapter UK Style (1x LANscape)
Shutters		CAXCSE-G0201-C012	22.5x45 mm Straight Shuttered Adapter French Style (1x LANscape)
Shutters		CAXCSE-G0201-C011	45x45 mm Straight Shuttered Adapter French Style (2x LANscape)
Shutters		WAXWSE-S0201-C002	50x50 mm Inclined Shuttered Central Plate German Style (2x LANscape)
Shutters		WAXWSE-V0201-C001	50x50 mm Projecting Shuttered Central Plate German Style (2x LANscape)
Shutters		WAXWSE-V0301-C001	80x80 mm Projecting Shuttered Frame Set German Style (3x LANscape)
Shutters		CAXCSE-U0201-C001	75x65 mm Universal Shuttered Surface-Mount Housing (2x LANscape)
Shutter		WAXISE-V0103-C001	Top-hat Rail Inclined Shuttered Housing (1x LANscape), grey



CAXCOE-S0101-C001



CAXCOE-S0101-C002



CAXCSE-S0101-C001



CAXCSE-S0101-C002



CAXCOE-V0114-C001



CAXCSE-G0201-C012



CAXCSE-G0201-C011



CAXCSE-U0201-C001



CAXXSE-V0103-C001



WAXISE-V0103-C001



CAXXSE-S0301-C002



WAXWSE-S0201-C002



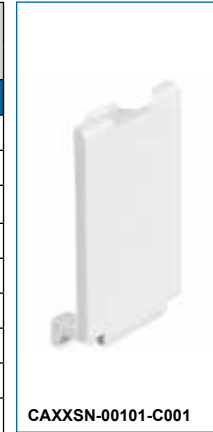
WAXWSE-V0201-C001



WAXWSE-V0301-C001

10.3 Accessories

Mechanical Footprint		Part Number	Description
LANscape®	Keystone		
10.3 Accessories			
		CAXXSN-00110-C001	Keystone to LANscape Adapter
		CAXXSN-00101-C001	Pack of 10 blanks (1x Keystone each), white
		WAXWSM-00101-C001	Pack of six blanks (1x LANscape each), white
		WAXWSE-00201-C015	86x86 mm Faceplate for EuroMod, single gang (pack of 25), white
		WAXWSE-00401-C017	86x146 mm Faceplate for EuroMod, double gang (pack of 25), white
		WAXWSE-00101-C018	12.5x25 mm Blank Cover for faceplate UK style (pack of 50), white
		WAXWSE-00201-C019	50x25 mm Blank Cover for faceplate UK Style (pack of 50), white
		WAXWSE-00001-C011	80x80 mm Faceplate for 50x50 mm central plates, white
		WAXWSE-00001-C012	80x80 mm Surface Mount Housing for 80x80 mm faceplates



CAXXSN-00101-C001



CAXXSN-00110-C001



WAXWSM-00101-C001



WAXWSE-00201-C015



WAXWSE-00401-C017



WAXWSE-00101-C018



WAXWSE-00201-C019



WAXWSE-00001-C011



WAXWSE-00001-C012

Copper Patch Cords: Cat.6

48

11. Copper Patch Cords

11.1 FutureCom™ Cat. 6 Copper Patch Cords

Additional colours and lengths available upon request.

Performance		Boots		Lengths						Part Number	Description
Class E	Class EA	Grey	Blue	1 m	2 m	3 m	5 m	7.5 m	10 m		
										CCAIEA-DQ002-A010-C0	1 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DQ002-A020-C0	2 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DQ002-A030-C0	3 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DQ002-A050-C0	5 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DQ002-A075-C0	7.5 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DQ002-A100-C0	10 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A010-C0	1 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A020-C0	2 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A030-C0	3 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A050-C0	5 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A075-C0	7.5 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black
										CCAIEA-DP002-A100-C0	10 m Cat.6 Shielded Copper Patch Cord (RJ-45/RJ-45), black



CCAIEA-xx002-Axxx-C0



CCAIEA-xx002-Axxx-C0

11.2. FutureCom™ Cat. 6_A Copper Patch Cords

Additional colours and lengths available upon request.

Performance		Boots		Lengths						Part Number	Description
Class E	Class EA	Grey	Blue	1 m	2 m	3 m	5 m	7.5 m	10 m		
										CCAAGB-G2002-A010-C0	1 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G2002-A020-C0	2 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G2002-A030-C0	3 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G2002-A040-C0	4 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G2002-A050-C0	5 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G2002-A100-C0	10 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), blue
										CCAAGB-G1002-A010-C0	1 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey
										CCAAGB-G1002-A020-C0	2 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey
										CCAAGB-G1002-A030-C0	3 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey
										CCAAGB-G1002-A040-C0	4 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey
										CCAAGB-G1002-A050-C0	5 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey
										CCAAGB-G1002-A100-C0	10 m Cat.6 _A Shielded Copper Patch Cord (RJ-45/RJ-45), grey



Copper Accessories

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12. Copper Accessories

Part Number	Description
Copper Cable Management	
WAXWSW-00000-C007	1U Copper Patch Cable Management Panel, silver
WAXWSW-00000-C009	1U Patch Cable Guides (left and right), silver
WAXWSW-00008-C007	1U Copper Patch Cable Management Panel, black
WAXWSW-00008-C009	1U Patch Cable Guides (left and right), black
LANS-LBL-WNDW	Self-adhesive Labelling Windows, including paper strips (pack of 10)
Tools	
CAXCSN-00000-C010	Assembly Tool for FutureCom™ S250 and S500 copper jacks
CAXCSN-00000-C008	Assembly Tool for FutureCom xs500 copper jacks
CAXFSN-00000-C001	Cable Preparation Tool for S/FTP or F/FTP cable
Consumables	
CAXCSN-00000-C011	Copper Conducting Tape (needed for xs500/S500 jacks)



LANS-LBL-WNDW



WAXWSW-00000-C007



WAXWSW-00008-C007



WAXWSW-00000-C009



WAXWSW-00008-C009



CAXCSN-00000-C010



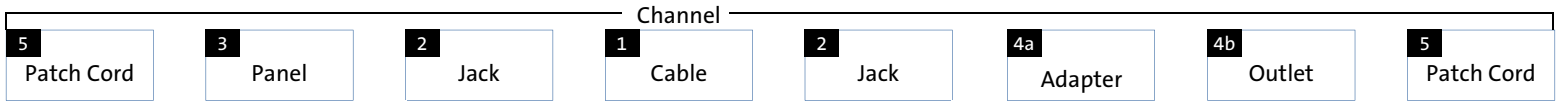
CAXCSN-00000-C008




CAXCSN-00000-C011



CAXFSN-00000-C001




1 Cable



CXEDR-D0047-C003-L6
S/FTP 550/23s Cat.6, 4P Simplex Copper Cable, L50H/LSZH™, FRNC, 500 m drum


Alternative:
CXEDR-D0047-C003-X2
250 m Reelex Box



CCXEDA-D0047-C001-L6
F/FTP 550/23 Cat.6, 4P Simplex Copper Cable, L50H/LSZH, FRNC, 500 m drum


Alternative:
CCXDDA-D0047-C001-X2
250m Reelex Box

2 Jack



CAXASM-00104-C001
S500 LANscape® Cat.6_A/Class EA Copper Jack with dust cap

Consumables:



CAXCSN-00000-C011
Copper Conducting Tape

3 Panel



WAXWSV-02408-C001
1U Copper Patch Panel (24x LANscape), black



WAXWSV-02400-C001
1U Copper Patch Panel (24x LANscape), silver



WAXWSV-02403-C001
1U Copper Patch Panel (24x LANscape), grey

4a Adapter




CAXCSE-G0201-C012
22.5 x 45 mm Straight Shuttered Adapter French Style (1x LANscape), white



CAXCSE-G0201-C011
45 x 45 mm Straight Shuttered Adapter French Style (2x LANscape), white


4b Outlet



CAXCSE-U0201-C001
75 x 65 Universal Shuttered Surface-Mount Housing (2x LANscape), white



WAXISE-V0103-C001
Top-hat Rail Inclined Shuttered Housing (1x LANscape), grey



WAXWSM-00101-C001
Blank Cover (1x LANscape), pack of 6, white

Alternative:
WAXWSM-00108-C001
Blank Cover (1x LANscape), pack of 6, black

5 Patch Cord



CCAAGB-G2002-Axxx-C0
1 M = A010
2 M = A020
3 M = A030
4 M = A040
5 M = A050
10 M = A100
Cat.6_A Shielded Copper Patch Cord (RJ-45-RJ-45), blue



WAXWSW-00008-C009
1U Patch Cord Guides, left and right, black

Alternative:
WAXWSW-00000-C009
1U Patch Cord Guides, left and right, silver

Advantages of S500 over xs500:

- S500 allows short distances (less than 15 m)
- S500 allows extended reach (up to 120 m with A-XR cable)
- S500 has GHMT certificate for 6-Connector Permanent Link Class EA
- S500 has GHMT certificate for 6-Connector Channel Class EA
- S500 offers additional 90-degree cable entry

Recommended Tools:



CAXCSN-00000-C010
Assembly Tool for all copper jacks (except xs500)



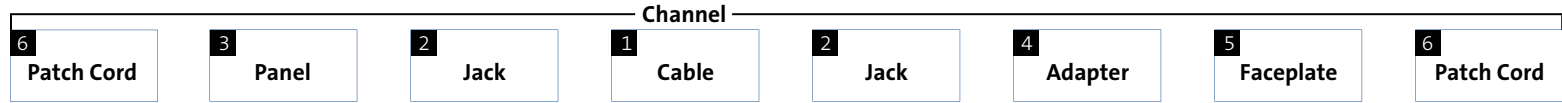
CAXFSN-00000-C001
Cable Preparation Tool for S/FTP or F/FTP cables




FutureCom™ xs500

Shielded Copper Solution (Keystone Footprint, UK Style)

FutureCom™ Solutions




1 Cable



CCXEDR-D0047-C003-L6
S/FTP 550/23s Cat.6, 4P
Simplex Copper Cable,
LS0H/LSZH*, FRNC, 500m drum

Alternative:
CCXEDR-D0047-C003-X2
250 m Reellex Box



CCXEDA-D0047-C001-L6
F/FTP 550/23 Cat.6, 4P
Simplex Copper Cable,
LS0H/LSZH, FRNC, 500 m drum

Alternative:
CCXDDA-D0047-C001-X2
250 m Reellex Box

2 Jack



CAXXSM-00104-C001
FutureCom™ xs500 Keystone
Cat.6, /Class EA Copper Jack
with dust cap (1x Keystone)

Alternative:
CAXXSM-00104-C011-BP
Bulk Pack of 24

Consumables:



CAXCSN-00000-C011
Copper Conducting Tape

3 Panel



CAXXSV-02408-C001
1U Copper Patch Panel
(24x Keystone), black




CAXXSV-02400-C001
1U Copper Patch Panel
(24x Keystone), silver




CAXXSV-02403-C001
1U Copper Patch Panel
(24x Keystone), grey

4 Adapter



CAXCOE-S0101-C001
50 x 25 mm EuroMod Inclined
Shuttered Adapter Module
(1x Keystone), white

Alternative:
CAXCOE-S0101-C001-BP
Bulk Pack of 50



CAXCOE-S0101-C002
38 x 25 mm U6C Inclined
Shuttered Adapter Module
(1x Keystone), white

Alternative:
CAXCOE-S0101-C002-BP
Bulk Pack of 50

5 Faceplate



WAXWSE-00201-C015
86 x 86 mm Faceplate for
EuroMod, single gang,
white, bulk pack of 25




WAXWSE-00401-C017
86 x 146 mm Faceplate for
EuroMod, double gang,
white, bulk pack of 25




WAXWSE-00101-C018
12.5 x 25 mm Blank Cover,
white, bulk pack of 50

Alternative:
WAXWSE-00201-C019
50 x 25 mm Blank Cover,
white, bulk pack of 50

6 Patch Cord




CCAAGB-G2002-Axxx-C0
1 M = A010
2 M = A020
3 M = A030
4 M = A040
5 M = A050
10 M = A100
Cat.6, Shielded Copper Patch
Cord (RJ-45/RJ-45), blue




WAXWSW-00008-C009
1U Patch Cord Guides,
left and right, black

Alternative:
WAXWSW-00000-C009
1U Patch Cord Guides,
left and right, silver

Recommended Tools:

CAXCSN-00000-C008
FutureCom Comfort
Parallel Pliers, metal



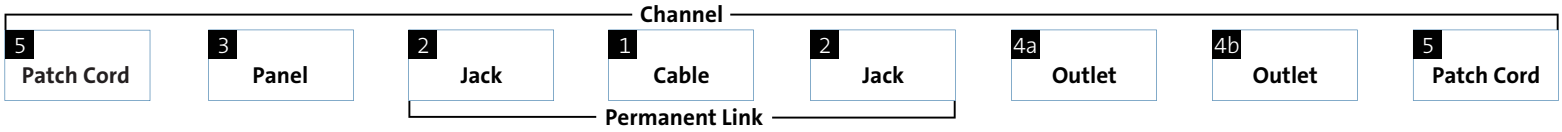
CAXFSN-00000-C001
Cable Preparation Tool
for S/FTP or F/FTP cables



FutureCom™ S250

Shielded Copper Solution (LANscape® Footprint)

FutureCom™ Solutions



1 Cable

CCXERA-80047-C001-L7
U/FTP 250/23 Cat.6 4P
Simplex Copper Cable,
LS0H/LSZH*, FRNC,
1,000 m drum

CCXDDA-D0047-C001-L7
F/FTP 450/23 Cat.6 4P
Simplex Copper Cable,
LS0H/LSZH, FRNC,
1,000 m drum

Alternative:
CCXDDA-D0047-C001-X2
250 m Reellex Box

2 Jack

CAXESM-00100-C001
S250 LANscape Cat.6/Class E
Copper Jack

3 Panel

WAXWSV-02408-C001
1U Copper Patch Panel
(24x LANscape), black

WAXWSV-02400-C001
1U Copper Patch Panel
(24x LANscape), silver

WAXWSV-02403-C001
1U Copper Patch Panel
(24x LANscape), grey

4a Outlet

CAXCSE-G0201-C012
22.5 x 45 mm Straight
Shuttered Adapter
French Style
(1x LANscape), white

CAXCSE-G0201-C011
45 x 45 mm Straight
Shuttered Adapter
French Style
(2x LANscape), white

4b Outlet

CAXCSE-U0201-C001
75x65 mm Universal Shuttered
Surface Mount Housing
(2x LANscape)

WAXISE-V0103-C001
Top-hat Rail Shuttered Angled
Housing (1x LANscape), grey

5 Patch Cord

CCAEIA-DQ002-Axxx-C0
1.0 m = A010
2.0 m = A020
3.0 m = A030
5.0 m = A050
7.5 m = A075
10 m = A100

Cat.6 Shielded Copper Patch
Cord (RJ-45/RJ-45), black/blue

WAXWSW-00008-C009
1U Patch Cord Guides,
left and right, black

Alternative:
WAXWSW-00000-C009
1U Patch Cord Guides,
left and right, silver

Recommended Tools:

CAXCSN-00000-C010
Assembly Tool for all copper
jacks (except xs500)

CAXFSN-00000-C001
Cable Preparation Tool
for S/FTP or F/FTP cables



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