

SECURE SOLUTIONS

ordering guide



SECURE SOLUTIONS OFFERINGS

Preterminated Solutions



Field-Terminated Solutions



From the data center (DC) to the local area network (LAN), you can customize the keying and coloring of LC and MTP® connectors and cable jackets for a tip-to-tip secure installation. Keyed connectivity throughout the facility or non-keyed connectivity in lower-risk areas ensure a secure solution.

Secure optical preterminated and field-terminated products are ready to be deployed in:

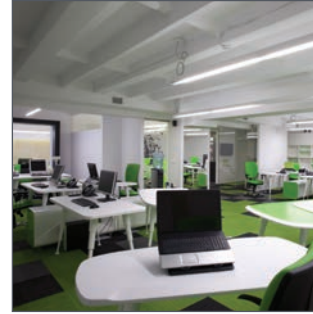
Horizontal Environments

Campus Environments

Building Backbones

Data Centers

Corning offers a broad range of secure connectivity solutions. Twelve colors/keys are available for preterminated or field-terminated applications to suit various network applications. Keyed, keyed colored, and non-keyed colored options are available in both LC and MTP connectors.



SECURITY for YOUR NETWORKS

The Corning Difference

Corning brings security to the high-density EDGE™ solutions

Offering 12 easily identifiable colors to help segment networks and prevent inadvertent connection into the wrong network.

Using preterminated assemblies for a structured cabling deployment is faster, easier, and requires less testing time than field-terminated options. Factory testing also decreases the chance of testing failures and rework.

Secure Harness



Non-Keyed Modules



Secure Trunk



Keyed Modules

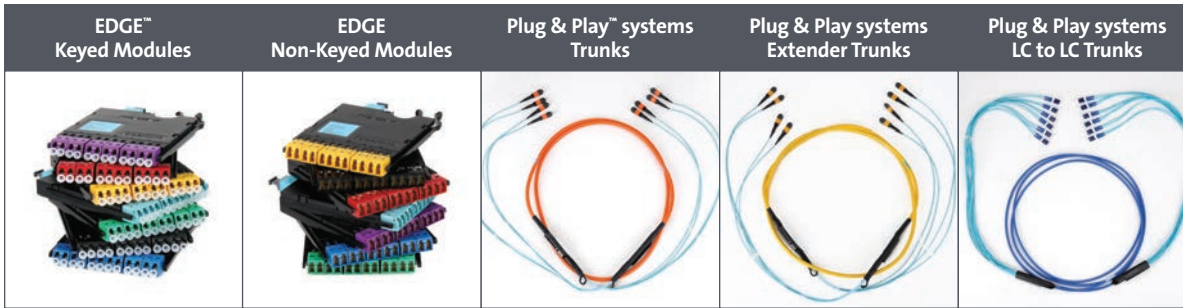


Secure Jumpers



PRETERMINATED
SECURE SOLUTIONS

PRETERMINATED SECURE SOLUTIONS



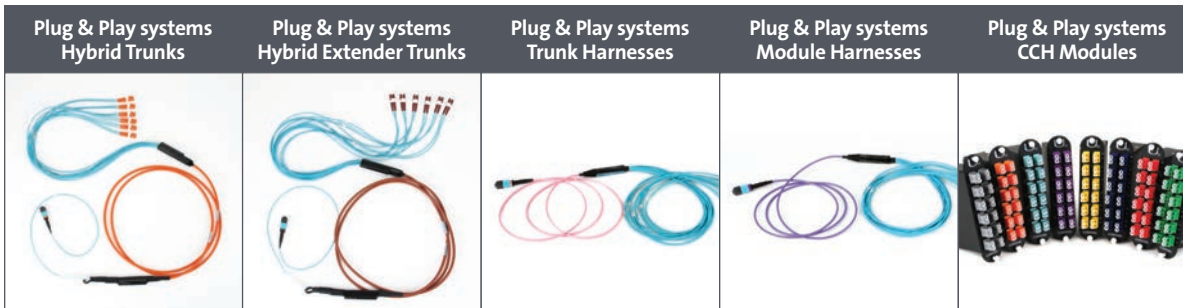
Page 6

Page 6

Page 8

Page 9

Page 10



Page 11

Page 12

Page 13

Page 14

Page 15



Page 16

Page 17

Page 18

Page 19

Page 20

Secure
Solutions | 5

EDGE™ Solutions Modules

ECM - M 12 - -

|1 |2 |3 |4 |5 |6 |7

|1

Select wiring/polarity.

U = Universal
R = Classic

|2

Defines fiber count.

12 = 12 fiber

|3

Select front connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|4

Select connector color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|5

Select back connector.

Non-keyed

93 = MTP®, low-loss (pinned), multimode
89 = MTP, standard loss (pinned), single-mode

Keyed

Y2 = Keyed MTP, low-loss (pinned), multimode
Y4 = Keyed MTP, standard loss (pinned), single-mode

|6

Select connector color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings exclude black and white.*



|7

Select fiber type.

G = Bend-improved single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)



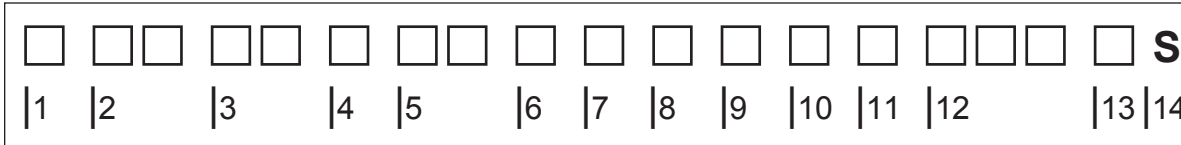
EDGE™ Solutions Module Part Number Examples

Part Number	Product Description	Units per Delivery	Image
ECM-UM12-05E-93EQ	EDGE™ solutions module, universal wired, 12 fiber, OM4, non-keyed LC duplex, orange, MTP® non-keyed, low-loss, pinned, orange	1	
ECM-UM12-26N-Y2NQ	EDGE solutions module, universal wired, 12 fiber, OM4, keyed LC duplex, blue, MTP keyed, low- loss, pinned, blue	1	

PRETERMINATED
SECURE SOLUTIONS

EDGE™
SOLUTIONS
MODULES

Plug & Play™ Systems Trunks



|1

Select grip.
A = Grip one end
N = No grip

|2

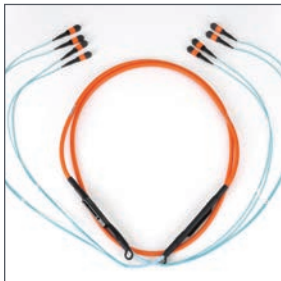
Select end one connector.
Non-keyed
75 = MTP®, low-loss (non-pinned), multimode
90 = MTP, standard loss (non-pinned), single-mode

Keyed

Y1 = Keyed MTP, low-loss (non-pinned), multimode
Y3 = Keyed MTP, standard loss, (non-pinned), single-mode
Y5 = Keyed MTP, low-loss elite (non-pinned), single-mode

No connector

00 = Pigtail



|3

Select end two connector.
Non-keyed
75 = MTP, low-loss (non-pinned), multimode
90 = MTP, standard loss (non-pinned), single-mode

Keyed

Y1 = Keyed MTP, low-loss (non-pinned), multimode
Y3 = Keyed MTP, standard loss (non-pinned), single-mode
Y5 = Keyed MTP, low-loss elite (non-pinned), single-mode

|4

Select connector color.
Color applies to both ends
N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings exclude black and white.*

|5

Select fiber count.
12 = 12 fiber 72 = 72 fiber
24 = 24 fiber 96 = 96 fiber
36 = 36 fiber E4 = 144 fiber
48 = 48 fiber

|6

Select fiber type.
G = Bend-improved single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)

|7

Select cable type.
P = Plenum non-armored
R = Ruggedized ribbon (12-48 fiber only)
A = Armored MIC® 250 cable
C = Ribbon plenum*
J = Ribbon interconnect (12 fiber only)*

**Available in pigtailed only.*

|8

Select jacket color.
N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|9

Select end one leg length.
A = 24-in minimum stagger (-0/+3 in)
B = 36-in minimum stagger (-0/+3 in)
0 = Pigtail

**Furcation legs are color coded by fiber type.*

|10

Select end two leg length.
A = 24-in minimum stagger (-0/+3 in)
B = 36-in minimum stagger (-0/+3 in)

**Furcation legs are color coded by fiber type.*

|11

Select wiring/polarity.
U = Universal
C = Classic
P = Straight-through

|12

Select cable length.
001-999
A = 10xx J = 18xx
B = 11xx K = 19xx
C = 12xx L = 20xx
D = 13xx M = 21xx
E = 14xx N = 22xx
F = 15xx P = 23xx
G = 16xx Q = 24xx
H = 17xx R = 25xx

**Longer lengths available upon request.*

|13

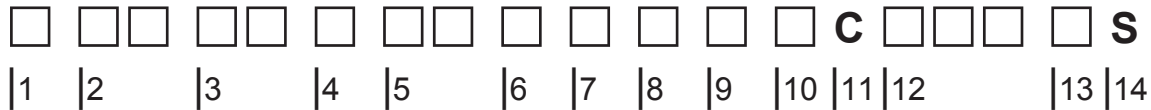
Select unit of measure.
M = Meters
F = Feet

|14

Defines suffix.
S = Secure

PRETERMINATED
SECURE SOLUTIONS
PLUG & PLAY™
Systems

Plug & Play™ Systems LC to LC Trunks



|1

Select grip.

A = Grip one end
N = No grip

|2

Select end one connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

No connector

00 = Pigtail

|3

Select end two connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|4

Select connector color.

Color applies to both ends

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings
exclude black and white.*

|5

Select fiber count.

06 = 6 fiber 48 = 48 fiber
12 = 12 fiber 72 = 72 fiber
24 = 24 fiber 96 = 96 fiber
36 = 36 fiber E4 = 144 fiber

|6

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)

|7

Select cable type.

P = Plenum non-armored
R = Ruggedized ribbon
(12-48 fiber only)
A = Armored MIC® 250
cable
C = Ribbon plenum
J = MIC 250 cable
(6 and 12 fiber only)

**Available in pigtails only.*

|8

Select jacket color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|9

Select end one leg length.

K = 24 in (-0/+4 in), 2.0 mm
L = 36 in (-0/+4 in), 2.0 mm
M = 48 in (-0/+4 in), 2.0 mm
N = 60 in (-0/+4 in), 2.0 mm
P = 72 in (-0/+4 in), 2.0 mm
0 = Pigtail

**Furcation legs are color coded by
fiber type.*

|10

Select end two leg length.

K = 24 in (-0/+4 in), 2.0 mm
L = 36 in (-0/+4 in), 2.0 mm
M = 48 in (-0/+4 in), 2.0 mm
N = 60 in (-0/+4 in), 2.0 mm
P = 72 in (-0/+4 in), 2.0 mm

**Furcation legs are color coded by
fiber type.*

|11

Defines wiring/polarity.

C = Classic trunk

|12

Select cable length.

001-999

A = 10xx J = 18xx
B = 11xx K = 19xx
C = 12xx L = 20xx
D = 13xx M = 21xx
E = 14xx N = 22xx
F = 15xx P = 23xx
G = 16xx Q = 24xx
H = 17xx R = 25xx

**Longer lengths available upon
request.*

|13

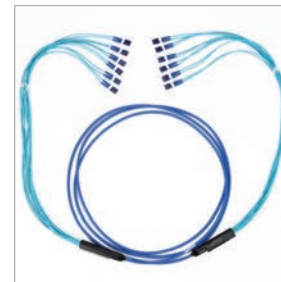
Select unit of measure.

M = Meters
F = Feet

|14

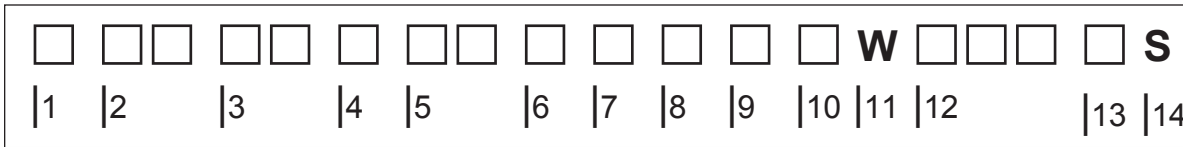
Defines suffix.

S = Secure



PRETERMINATED
SECURE SOLUTIONS
PLUG & PLAY™
Systems

Plug & Play™ Systems Hybrid Trunks



|1

Select grip.

A = Grip one end
N = No grip

|2

Select end one connector.

Non-keyed

75 = MTP®, low-loss
(non-pinned), multimode
90 = MTP, standard loss
(non-pinned), single-mode

Keyed

Y1 = Keyed MTP, low-loss
(non-pinned), multimode
Y3 = Keyed MTP,
standard loss
(non-pinned), single-mode
Y5 = Keyed MTP, low-loss
elite (non-pinned),
single-mode

No connector

00 = Pigtail

|3

Select end two connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|4

Select connector color.

Color applies to both ends

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings
exclude black and white.*

|5

Select fiber count.

12 = 12 fiber 72 = 72 fiber
24 = 24 fiber 96 = 96 fiber
36 = 36 fiber E4 = 144 fiber
48 = 48 fiber

|6

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)

|7

Select cable type.

P = Plenum non-armored
R = Ruggedized ribbon
(12-48 fiber only)
A = Armored MIC® 250
cable

|8

Select jacket color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|9

Select end one leg length.

A = 24-in minimum stagger
(-0/+3 in)
B = 36-in minimum stagger
(-0/+3 in)
0 = Pigtail

**Furcation legs are color coded
by fiber type.*

|10

Select end two leg length.

K = 24 in (-0/+4 in), 2.0 mm
L = 36 in (-0/+4 in), 2.0 mm
M = 48 in (-0/+4 in), 2.0 mm
N = 60 in (-0/+4 in), 2.0 mm
P = 72 in (-0/+4 in), 2.0 mm

**Furcation legs are color coded
by fiber type.*

|11

Defines wiring/polarity.

W = Universal hybrid

|12

Select cable length.

001-999
A = 10xx J = 18xx
B = 11xx K = 19xx
C = 12xx L = 20xx
D = 13xx M = 21xx
E = 14xx N = 22xx
F = 15xx P = 23xx
G = 16xx Q = 24xx
H = 17xx R = 25xx

**Longer lengths available upon
request.*

|13

Select unit of measure.

M = Meters
F = Feet

|14

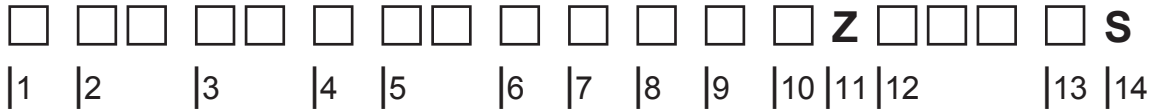
Defines suffix.

S = Secure



PRETERMINATED
SECURE SOLUTIONS
PLUG & PLAY™
Systems

Plug & Play™ Systems Hybrid Extender Trunks



|1

Select grip.

A = Grip one end
N = No grip

|2

Select end one connector.

Non-keyed

93 = MTP®, low-loss
(pinned), multimode
89 = MTP, standard loss
(pinned), single-mode

Keyed

Y2 = Keyed MTP, low-loss
(pinned), multimode
Y4 = Keyed MTP,
standard loss (pinned),
single-mode
Y6 = Keyed MTP, low-loss
elite (pinned), single-mode

|3

Select end two connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|4

Select connector color.

Color applies to both ends

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings
exclude black and white.*

|5

Select fiber count.

12 = 12 fiber 72 = 72 fiber
24 = 24 fiber 96 = 96 fiber
36 = 36 fiber E4 = 144 fiber
48 = 48 fiber

|6

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)

|7

Select cable type.

P = Plenum non-armored
R = Ruggedized ribbon
(12-48 fiber only)
A = Armored MIC® 250
cable

|8

Select jacket color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|9

Select end one leg length.

A = 24-in minimum stagger
(-0/+3 in)
B = 36-in minimum stagger
(-0/+3 in)
0 = Pigtail

**Furcation legs are color coded
by fiber type.*

|10

Select end two leg length.

K = 24 in (-0/+4 in), 2.0 mm
L = 36 in (-0/+4 in), 2.0 mm
M = 48 in (-0/+4 in), 2.0 mm
N = 60 in (-0/+4 in), 2.0 mm
P = 72 in (-0/+4 in), 2.0 mm

**Furcation legs are color coded
by fiber type.*

|11

Defines wiring/polarity.

Z = Hybrid extender
**Straight-through polarity.*

|12

Select cable length.

001-999
A = 10xx J = 18xx
B = 11xx K = 19xx
C = 12xx L = 20xx
D = 13xx M = 21xx
E = 14xx N = 22xx
F = 15xx P = 23xx
G = 16xx Q = 24xx
H = 17xx R = 25xx

**Longer lengths available upon
request.*

|13

Select unit of measure.

M = Meters
F = Feet

|14

Defines suffix.

S = Secure



PRETERMINATED
SECURE SOLUTIONS
PLUG & PLAY™
Systems

Plug & Play™ Systems Trunk Harnesses

H □ □ □ □ 12 □ E □ - □ Z □ □ □ □ S
 |1 |2 |3 |4 |5 |6 |7 |8 |9 |10 |11 |12

|1

Select end one connector.

Non-keyed

- 93 = MTP®, low-loss (pinned), multimode
- 89 = MTP, standard loss (pinned), single-mode

Keyed

- Y2 = Keyed MTP, low-loss (pinned), multimode
- Y4 = Keyed MTP, standard loss (pinned), single-mode
- Y6 = Keyed MTP, low-loss elite (pinned), single-mode

|2

Select end two connector.

Non-keyed

- 04 = LC duplex, single-mode
- 05 = LC duplex, multimode
- 79 = LC duplex, uniboot multimode
- 78 = LC duplex, uniboot single-mode

Keyed

- 26 = Keyed LC, multimode
- 33 = Keyed LC, single-mode

|3

Select connector color.

Color applies to both ends

- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

**MTP keyed connector pairings exclude black and white.*

|4

Defines fiber count.

- 12 = 12 fiber

|5

Select fiber type.

- G = Bend-improved single-mode (OS2)
- T = 50 μm multimode (OM3)
- Q = 50 μm multimode (OM4)

|6

Defines cable type.

- E = Plenum interconnect

|7

Select jacket color.

- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

|8

Select leg length.

- K = 24 in (-0/+4 in), 2.0 mm
- L = 36 in (-0/+4 in), 2.0 mm
- M = 48 in (-0/+4 in), 2.0 mm
- N = 60 in (-0/+4 in), 2.0 mm
- P = 72 in (-0/+4 in), 2.0 mm

**Furcation legs are color coded by fiber type.*

|9

Defines wiring/polarity.

- Z = Trunk harness

**Universal polarity (blue to the right).*

|10

Select cable length.

- 001-999

|11

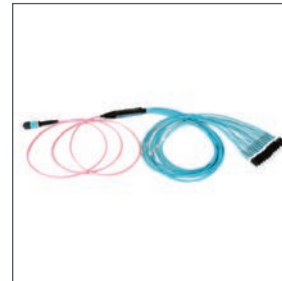
Select unit of measure.

- M = Meters
- F = Feet

|12

Defines suffix.

- S = Secure



PRETERMINATED
 SECURE SOLUTIONS

PLUG &
 PLAY™
 Systems

Plug & Play™ Systems Module Harnesses

H	□	□	□	□	12	□	E	□	-	□	W	□	□	□	□	S
1	2	3	4	5	6	7	8	9	10	11	12					

|1

Select end one connector.

Non-keyed

75 = MTP®, low-loss
(non-pinned), multimode
90 = MTP, standard loss
(non-pinned), single-mode

Keyed

Y1 = Keyed MTP, low-loss
(non-pinned), multimode
Y3 = Keyed MTP,
standard loss,
(non-pinned), single-mode
Y5 = Keyed MTP, low-loss
elite (non-pinned),
single-mode

|2

Select end two connector.

Non-keyed

04 = LC duplex, single-mode
05 = LC duplex, multimode
79 = LC duplex, uniboot
multimode
78 = LC duplex, uniboot
single-mode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|3

Select connector color.

Color applies to both ends

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings
exclude black and white.*

|4

Defines fiber count.

12 = 12 fiber

|5

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)

|6

Defines cable type.

E = Plenum interconnect

|7

Select jacket color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|8

Select leg length.

K = 24 in (-0/+4 in), 2.0 mm
L = 36 in (-0/+4 in), 2.0 mm
M = 48 in (-0/+4 in), 2.0 mm
N = 60 in (-0/+4 in), 2.0 mm
P = 72 in (-0/+4 in), 2.0 mm

**Furcation legs are color coded
by fiber type.*

|9

Defines wiring/polarity.

W = Module harness
(aqua to the right)

|10

Select cable length.

001-999

|11

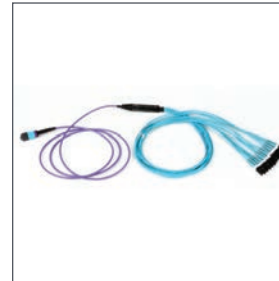
Select unit of measure.

M = Meters
F = Feet

|12

Defines suffix.

S = Secure



PRETERMINATED SECURE SOLUTIONS

PLUG & PLAY™ Systems

Plug & Play™ Systems CCH Modules

CCH - M - -

|1 |2 |3 |4 |5 |6 |7

|1

Select wiring/polarity.

U = Universal
R = Classic

|2

Select fiber count.

12 = 12 fiber
24 = 24 fiber

|3

Select front connector.

Non-keyed

04 = LC duplex,
single-mode
05 = LC duplex,
multimode

Keyed

26 = Keyed LC,
multimode
33 = Keyed LC,
single-mode

|4

Select connector color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|5

Select back connector.

Non-keyed

93 = MTP®, low-loss
(pinned), multimode
89 = MTP, standard loss
(pinned), single-mode

Keyed

Y2 = Keyed MTP, low-loss
(pinned), multimode
Y4 = Keyed MTP,
standard loss (pinned),
single-mode

|6

Select connector color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings
exclude black.*

|7

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)



PRETERMINATED
SECURE SOLUTIONS

PLUG &
PLAY™
Systems

Plug & Play™ Systems Integrated Trunk Modules

ITMU - 12 - □□ - □□ □ □ - □ □□□ - F
 |1 |2 |3 |4 |5 |6 |7

|1

Defines wiring/polarity.
U = Universal

|2

Select front connector.
Non-keyed
04 = LC duplex, single-mode
05 = LC duplex, multimode

Keyed

26 = Keyed LC, multimode
33 = Keyed LC, single-mode

|3

Select back connector.

Non-keyed

93 = MTP®, low-loss (pinned), multimode
89 = MTP, standard loss (pinned), single-mode
75 = MTP, low-loss (non-pinned), multimode
90 = MTP, standard loss (non-pinned), single-mode

Keyed

Y2 = Keyed MTP, low-loss (pinned), multimode
Y4 = Keyed MTP, standard loss (pinned), single-mode
Y1 = Keyed MTP, low-loss (non-pinned), multimode
Y3 = Keyed MTP, standard loss (non-pinned), single-mode

|4

Select connector color.

Color applies to both ends

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**MTP keyed connector pairings exclude black.*

|5

Select fiber type.

G = Bend-improved single-mode (OS2)
T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)

|6

Select jacket color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|7

Select cable length.

040 = 40 ft
080 = 80 ft
120 = 120 ft
160 = 160 ft
200 = 200 ft



PRETERMINATED
SECURE SOLUTIONS

PLUG &
PLAY™
Systems

MTP® Panels

Part Number	Product Description	Fiber Count
EDGE-CP12-90	EDGE™ MTP® panel with one black adapter	12
EDGE-CP24-90	EDGE MTP panel with two black adapters	24
EDGE-CP48-90	EDGE MTP panel with four black adapters	48
EDGE-CP48-N9	EDGE MTP panel with four violet keyed adapters	48
EDGE-CP12-Q2	EDGE MTP panel with one red adapter	12
EDGE-CP48-N2	EDGE MTP panel with four red adapters	48
EDGE-CP12-Q3	EDGE MTP panel with one yellow adapter	12
EDGE-CP48-N3	EDGE MTP panel with four yellow keyed adapters	48
EDGE-CP12-Q4	EDGE MTP panel with one blue adapter	12
EDGE-CP48-N4	EDGE MTP panel with four blue keyed adapters	48
EDGE-CP48-NB	EDGE MTP panel with four brown keyed adapters	48
EDGE-CP48-N1	EDGE MTP panel with four green keyed adapters	48
EDGE-CP48-N5	EDGE MTP panel with four orange keyed adapters	48
EDGE-CP48-N7	EDGE MTP panel with four slate keyed adapters	48



PRETERMINATED
SECURE SOLUTIONS
PLUG & PLAY™
Systems

Plug & Play™ Systems 40G Jumpers

J □ □ □ □ 12 □ E □ - N □ □ □ □ □ S
 |1 |2 |3 |4 |5 |6 |7 |8 |9 |10 |11 |12

|1

Select end one MTP® connector.

Non-keyed

- 75 = MTP, low-loss (non-pinned), multimode
- 89 = MTP, low-loss (pinned), single-mode
- 90 = MTP, standard loss (non-pinned), single-mode
- 93 = MTP, low-loss (pinned), multimode

Keyed

- Y1 = Keyed MTP, low-loss (non-pinned), multimode
- Y3 = Keyed MTP, standard loss (non-pinned), single-mode
- Y5 = Keyed MTP, low-loss elite (non-pinned), single-mode
- Y2 = Keyed MTP, low-loss (pinned), multimode
- Y4 = Keyed MTP, standard loss (pinned), single-mode
- Y6 = Keyed MTP, low-loss elite (pinned), single-mode

|2

Select end two MTP connector.

See options listed above.

|3

Select connector color.

Color applies to both ends

- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

**MTP keyed connector pairings exclude black.*

|4

Defines fiber count.

12 = 12 fiber

|5

Select fiber type.

- G = Bend-improved single-mode (OS2)
- T = 50 μm multimode (OM3)
- Q = 50 μm multimode (OM4)

|6

Defines cable type.

E = Plenum interconnect

|7

Select jacket color.

- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

|8

Defines furcation length.

Could be used for 100G furcation leg lengths

N = No furcation for 40G jumper

|9

Select wiring/polarity.

- A = TIA-568 Type-A array jumper (straight-through)
- B = TIA-568 Type-B array jumper (MTP flip)
- C = TIA-568 Type-C array jumper (pairwise flip)

|10

Select jumper length.

1-999

|11

Select unit of measure.

M = Meters

F = Feet

|12

Defines suffix.

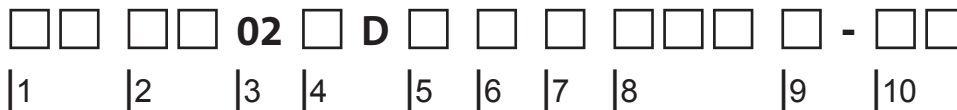
S = Secure



PRETERMINATED
 SECURE SOLUTIONS

PLUG & PLAY™
 Systems

Uniboot Assemblies



|1

Select end one connector.

Multimode

05 = LC PC duplex
50 = ST® compatible PC ceramic
57 = SC PC duplex ceramic
79 = LC uniboot

Single-mode

04 = LC UPC duplex
61 = ST compatible UPC
72 = SC UPC duplex
78 = LC UPC uniboot
80 = LC APC uniboot

|2

Select end two connector.

Multimode

79 = LC uniboot

Single-mode

78 = LC UPC uniboot
80 = LC APC uniboot

|3

Defines fiber count.

02 = 2 fiber

|4

Select fiber type.

G = Bend-improved
single-mode (OS2)
T = 50 µm multimode (OM3)
Q = 50 µm multimode (OM4)

|5

Select cable type.

1 = DFX® 250 riser cable
8 = DFX 250 plenum cable

|6

Select connector one color.

2 = Standard color code
based on fiber type

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**For uniboot assemblies with nonstandard color connectors, the boot and trigger colors match the connector.*

|7

Select connector two color.

0 = Standard color code
based on fiber type

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**For uniboot assemblies with nonstandard color connectors, the boot and trigger colors match the connector.*

|8

Select assembly length.

002-999

**For lengths greater than 999, contact Corning Customer Care.*

|9

Select unit of measure.

M = Meters
F = Feet

|10

Select cable color.

Nonstandard colors

BL = Blue RD = Red
OR = Orange BL = Black
GR = Green YL = Yellow
BR = Brown VI = Violet
SL = Slate RS = Rose
WH = White AQ = Aqua

**For any hybrid uniboot assembly, the leg color matches the jacket color.*



PRETERMINATED SECURE SOLUTIONS

UNIBOOT ASSEMBLIES

Cable Assemblies



|1

Select end one connector.

00 = No connectors (pigtail)

Multimode

39 = SC PC simplex ceramic
 57 = SC PC duplex ceramic
 50 = ST® compatible PC ceramic
 03 = LC PC simplex
 05 = LC PC duplex
 07 = LC simplex
 24 = Keyed LC PC simplex
 26 = Keyed LC PC duplex
 27 = Secure LC PC duplex

Single-mode

58 = SC UPC simplex
 72 = SC UPC duplex
 61 = ST compatible UPC
 02 = LC UPC simplex
 04 = LC UPC duplex
 10 = LC simplex
 30 = Keyed LC UPC simplex
 33 = Keyed LC UPC duplex
 91 = Secure LC UPC duplex

**Select connector based on the adapter type used at the patch panel and the electronic interface connector. Connector and adapter must be compatible for a correct connection. Always use the lowest code first when constructing part numbers.*

|2

Select end two connector.

See options listed above

|3

Select fiber count.

01-24

|4

Select fiber type.

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

|5

Select cable type.

Standard color

21 = Single-fiber riser 2.0 mm
 51 = Zipcord riser 2.0 mm
 81 = MIC® riser cable 2.0 mm
 91 = DFX® riser cable 2.0 mm
 J1 = Ribbon interconnect riser 2.0 mm
 28 = Single-fiber plenum 2.0 mm
 58 = Zipcord plenum 2.0 mm
 88 = MIC plenum cable 2.0 mm
 98 = DFX plenum cable 2.0 mm
 J8 = Ribbon interconnect plenum 2.0 mm

**Ribbon interconnect cable option is only available for MT-RJ assembly combinations.*

Nonstandard color

21 = Single-fiber riser 2.0 mm
 51 = Zipcord riser 2.0 mm
 81 = MIC riser cable 2.0 mm
 28 = Single-fiber plenum 2.0 mm
 58 = Zipcord plenum 2.0 mm
 88 = MIC plenum cable 2.0 mm

|6

Select connector one color.

Z = Non-keyed LC
 N = Blue R = Red
 E = Orange B = Black
 G = Green Y = Yellow
 K = Brown V = Violet
 S = Slate P = Rose
 W = White A = Aqua

|7

Select connector two color.

Z = Non-keyed LC
 N = Blue R = Red
 E = Orange B = Black
 G = Green Y = Yellow
 K = Brown V = Violet
 S = Slate P = Rose
 W = White A = Aqua

|8

Select assembly length.

002-999

**For lengths greater than 999, contact Corning Customer Care.*

|9

Select unit of measure.

M = Meters
 F = Feet

|10

Select cable color.

Nonstandard colors

BL = Blue RD = Red
 OR = Orange BL = Black
 GR = Green YL = Yellow
 BR = Brown VI = Violet
 SL = Slate RS = Rose
 WH = White AQ = Aqua

Standard colors

Single-mode (OS2)
 YL = Yellow
 Multimode (OM1/OM2)
 OR = Orange
 Multimode (OM3/OM4)
 AQ = Aqua

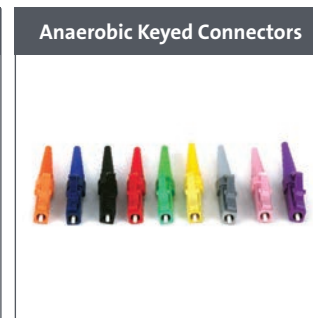
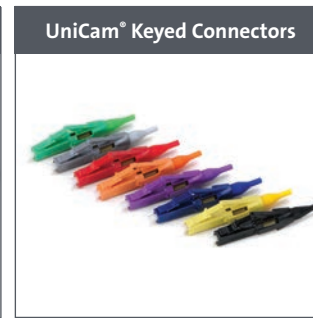


PRETERMINATED
 SECURE SOLUTIONS
 CABLE
 ASSEMBLIES

The Corning Difference

Secure Field-Terminated Solutions

Corning offers physical network security for users that have security concerns. The LC keyed solution provides more flexibility and easier identification by giving the user the option to assign keys by color. These colored keys are customizable for more efficiency and less chance of error when identifying a network. The keyed connectors on the front and back of the patch panel are used to match access rights to the proper network. Most importantly, the keys cannot be duplicated with standard components, providing the user with one of the best available options for network security.



FIELD-TERMINATED
SECURE SOLUTIONS

FIELD-TERMINATED SECURE SOLUTIONS



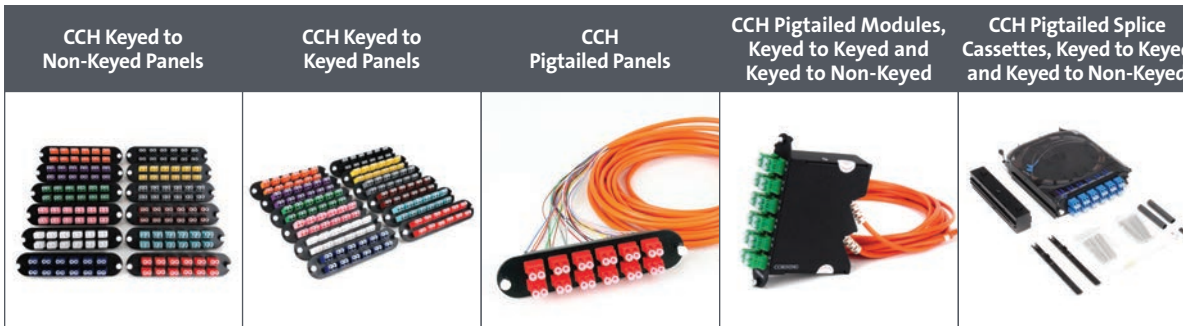
Page 23

Page 23

Page 24

Page 24

Page 25



Page 26

Page 26

Page 27

Page 27

Page 28



Page 29

Page 30

Page 31

UniCam® LC Keyed Connectors

95 - - K

|1 |2

|1

Select fiber type.

000 = 62.5 µm multimode (OM1)

050 = 50 µm multimode (OM2)

05X = 50 µm multimode
(OM3/OM4/OM4+)

200 = Single-mode (OS2)

|2

Select connector color.

N = Blue R = Red

E = Orange Y = Yellow

G = Green B = Black

S = Slate V = Violet



Anaerobic LC Keyed Connectors

95 - - 98 - SP - K

|1 |2

|1

Select fiber type.

101 = 62.5 µm multimode (OM1)

051 = 50 µm multimode (OM2)

201 = Single-mode (OS2)

|2

Select connector color.

N = Blue R = Red

E = Orange B = Black

G = Green Y = Yellow

K = Brown V = Violet

S = Slate P = Rose

W = White A = Aqua



FIELD-TERMINATED
SECURE SOLUTIONS
CONNECTORS

Non-Keyed to Non-Keyed Adapters

ADP - DLC0 - CC RF - CLS

| 1

| 1

Select color of adapter.

N = Blue	R = Red
E = Orange	B = Black
G = Green	Y = Yellow
K = Brown	V = Violet
S = Slate	P = Rose
W = White	A = Aqua



Keyed to Non-Keyed Adapters

ADP - KDLC - CC RF - CLX

| 1

| 1

Select color of adapter.

N = Blue	R = Red
E = Orange	B = Black
G = Green	Y = Yellow
K = Brown	V = Violet
S = Slate	P = Rose
W = White	A = Aqua



FIELD-TERMINATED
SECURE SOLUTIONS
ADAPTERS

Keyed to Keyed Adapters

ADP - KDLC - CC RF - CLS

|1




|1

Select color of adapter.

N = Blue R = Red
 E = Orange B = Black
 G = Green Y = Yellow
 K = Brown V = Violet
 S = Slate P = Rose
 W = White A = Aqua



Part Number Examples

Part Number	Product Description	Units per Delivery	Image
ADP-DLC0-CCRFF-CLS	Fiber Optic Adapter, LC duplex non-keyed/non-keyed, reduced-flange mount, ceramic sleeve, OM4+/OM4/OM3/OM2/OM1/OS2, red	50/1	
ADP-KDLC-CCGRF-CLX	Fiber Optic Adapter, LC duplex keyed/non-keyed, reduced-flange mount, ceramic sleeve, OM4+/OM4/OM3/OM2/OM1/OS2, green	50/1	
ADP-KDLC-CCGRF-CLX	Fiber Optic Adapter, LC duplex non-keyed/keyed, reduced-flange mount, ceramic sleeve, OM4+/OM4/OM3/OM2/OM1/OS2, yellow	50/1	

**FIELD-TERMINATED
 SECURE SOLUTIONS
 ADAPTERS**

Closet Connector Housing (CCH) Keyed to Non-Keyed Panels

CCH - CP -
 |1 |2

|1

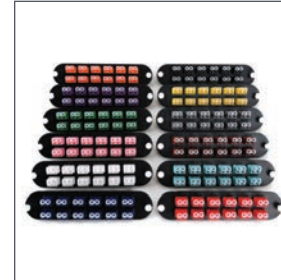
Select fiber count.

- 06 = 6 fiber
(three duplex adapters)
- 08 = 8 fiber
(four duplex adapters)
- 12 = 12 fiber
(six duplex adapters)
- 16 = 16 fiber
(eight duplex adapters)
- 24 = 24 fiber
(12 duplex adapters)

|2

Select color of adapters.

- LE = Blue LA = Red
- LH = Orange LF = Black
- LB = Green LD = Yellow
- LL = Brown LK = Violet
- LG = Slate LN = Rose
- LM = White LP = Aqua



Closet Connector Housing (CCH) Keyed to Keyed Panels

CCH - CP -
 |1 |2

|1

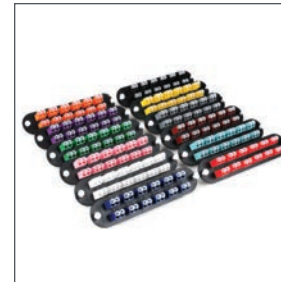
Select fiber count.

- 06 = 6 fiber
(three duplex adapters)
- 08 = 8 fiber
(four duplex adapters)
- 12 = 12 fiber
(six duplex adapters)
- 16 = 16 fiber
(eight duplex adapters)
- 24 = 24 fiber
(12 duplex adapters)

|2

Select color of adapters.

- K1 = Blue K5 = Red
- KH = Orange KK = Black
- KD = Green K9 = Yellow
- KN = Brown KM = Violet
- KL = Slate KQ = Rose
- KP = White KR = Aqua



FIELD-TERMINATED
 SECURE SOLUTIONS
 CCH
 PANELS

Closest Connector Housing (CCH) Pigtailed Modules and Panels

CCH - - - P03

|1 |2 |3 |4 |5

|1

Select module or panel.

RM = Module
CP = Panel

|2

Select fiber count.

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

|3

Select keyed LC duplex adapter style/color.

Keyed on both front and back adapter

K1 = Blue K5 = Red
KH = Orange KK = Black
KD = Green K9 = Yellow
KN = Brown KM = Violet
KL = Slate KQ = Rose
KP = White KR = Aqua

Keyed on front of adapter only, non-keyed on back

LE = Blue LA = Red
LH = Orange LF = Black
LB = Green LD = Yellow
LL = Brown LK = Violet
LG = Slate LN = Rose
LM = White LP = Aqua

|4

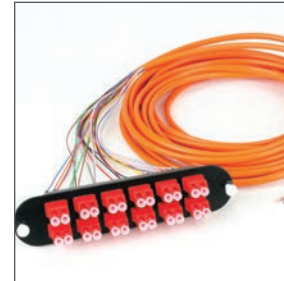
Select fiber type.

K = 62.5 μ m multimode (OM1)
C = 50 μ m multimode (OM2)
S = 50 μ m multimode (OM4)
R = Single-mode (OS2)

|5

Select cable type.

H = MIC[®] cable subunit
(standard fiber cable option)
J = Ribbon fiber



FIELD-TERMINATED
SECURE SOLUTIONS
CCH
MODULES
AND PANELS

Closet Connector Housing (CCH) Pigtailed Splice Cassettes

CCH - CS - - - P00

|1 |2 |3 |4

|1

Select fiber count.

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

|2

Select keyed LC duplex
adapter style/color.

**Keyed on both front and back
adapter**

K1 = Blue K5 = Red
KH = Orange KK = Black
KD = Green K9 = Yellow
KN = Brown KM = Violet
KL = Slate KQ = Rose
KP = White KR = Aqua

**Keyed on front of adapter only,
non-keyed on back**

LE = Blue LA = Red
LH = Orange LF = Black
LB = Green LD = Yellow
LL = Brown LK = Violet
LG = Slate LN = Rose
LM = White LP = Aqua

|3

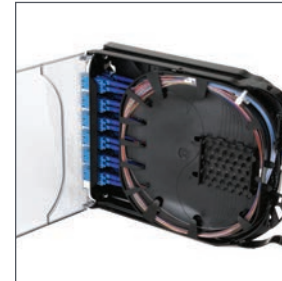
Select fiber type.

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

|4

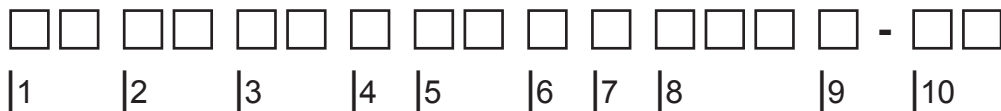
Select splicing type.

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



FIELD-TERMINATED
SECURE SOLUTIONS
CCH
CASSETTES

Cable Assemblies



|1

Select end one connector.

00 = No connectors (pigtail)

Multimode

- 39 = SC PC simplex ceramic
- 57 = SC PC duplex ceramic
- 50 = ST® compatible PC ceramic
- 03 = LC PC simplex
- 05 = LC PC duplex
- 07 = LC simplex
- 24 = Keyed LC PC simplex
- 26 = Keyed LC PC duplex
- 27 = Secure LC PC duplex

Single-mode

- 58 = SC UPC simplex
 - 72 = SC UPC duplex
 - 61 = ST compatible UPC
 - 02 = LC UPC simplex
 - 04 = LC UPC duplex
 - 10 = LC simplex
 - 30 = Keyed LC UPC simplex
 - 33 = Keyed LC UPC duplex
 - 91 = Secure LC UPC duplex
- *Select connector based on the adapter type used at the patch panel and the electronic interface connector. Connector and adapter must be compatible for a correct connection. Always use the lowest code first when constructing part numbers.*

|2

Select end two connector.

See options listed above

|3

Select fiber count.

01-24

|4

Select fiber type.

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

|5

Select cable type.

Standard color

- 21 = Single-fiber riser 2.0 mm
- 51 = Zipcord riser 2.0 mm
- 81 = MIC® riser cable 2.0 mm
- 91 = DFX® riser cable 2.0 mm
- J1 = Ribbon interconnect riser 2.0 mm
- 28 = Single-fiber plenum 2.0 mm
- 58 = Zipcord plenum 2.0 mm
- 88 = MIC plenum cable 2.0 mm
- 98 = DFX plenum cable 2.0 mm
- J8 = Ribbon interconnect plenum 2.0 mm

**Ribbon interconnect cable option is only available for MT-RJ assembly combinations.*

Nonstandard color

- 21 = Single-fiber riser 2.0 mm
- 51 = Zipcord riser 2.0 mm
- 81 = MIC riser cable 2.0 mm
- 28 = Single-fiber plenum 2.0 mm
- 58 = Zipcord plenum 2.0 mm
- 88 = MIC plenum cable 2.0 mm

|6

Select connector one color.

- Z = Non-keyed LC
- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

|7

Select connector two color.

- Z = Non-keyed LC
- N = Blue R = Red
- E = Orange B = Black
- G = Green Y = Yellow
- K = Brown V = Violet
- S = Slate P = Rose
- W = White A = Aqua

|8

Select assembly length.

002-999

**For lengths greater than 999, contact Corning Customer Care.*

|9

Select unit of measure.

- M = Meters
- F = Feet

|10

Select cable color.

Nonstandard colors

- LE = Blue LA = Red
- LB = Green LF = Black
- LL = Brown LK = Violet
- LG = Slate LN = Rose
- LM = White

Standard colors

- Single-mode (OS2)
- YL = Yellow
- Multimode (OM1/OM2)
- OR = Orange
- Multimode (OM3/OM4)
- AQ = Aqua



FIELD-TERMINATED
SECURE SOLUTIONS
CABLE
ASSEMBLIES

Wall-Plate Outlets (WLL) Single-Gang

Port:	1	2	3	4	5	6
WLL A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2				

|1

Select number of ports and orientation.

A = 1, straight M = 1, angled
 B = 2, straight N = 2, angled
 C = 3, straight P = 4, angled
 D = 4, straight
 E = 6, straight

|2

Select keyed LC duplex adapter style/color.

Keyed on both front and back adapter

K1 = Blue K5 = Red
 KH = Orange KK = Black
 KD = Green K9 = Yellow
 KN = Brown KM = Violet
 KL = Slate KQ = Rose
 KP = White KR = Aqua

Keyed on front of adapter only, non-keyed on back

LE = Blue LA = Red
 LH = Orange LF = Black
 LB = Green LD = Yellow
 LL = Brown LK = Violet
 LG = Slate LN = Rose
 LM = White LP = Aqua



FIELD-TERMINATED
 SECURE SOLUTIONS
 WALL-PLATE
 OUTLETS

Workstation Multimedia Outlets (WMO)

WMO - CP0 - -
|1 |2 |3

|1

Select number of fiber connections per panel.

- 1 = 1-fiber connection
- 2 = 2-fiber connections
- 4 = 4-fiber connections
(SC duplex, LC duplex)

|2

Select keyed LC duplex adapter style/color.

Keyed on both front and back adapter

- K1 = Blue K5 = Red
- KH = Orange KK = Black
- KD = Green K9 = Yellow
- KN = Brown KM = Violet
- KL = Slate KQ = Rose
- KP = White KR = Aqua

Keyed on front of adapter only, non-keyed on back

- LE = Blue LA = Red
- LH = Orange LF = Black
- LB = Green LD = Yellow
- LL = Brown LK = Violet
- LG = Slate LN = Rose
- LM = White LP = Aqua

|3





Select color of adapters.

- 35 = Beige
- 85 = White







FIELD-TERMINATED
SECURE SOLUTIONS
WORKSTATION
MULTIMEDIA
OUTLETS

Rack-Mountable Hardware

Hardware Type	Available Sizes	Secure Solution Required
EDGE™ Hardware 	EDGE-01U	EDGE Modules and Panels 
	EDGE-01U-SP	
	EDGE-02U	
	EDGE-04U	
Closet Connector Housing (CCH) 	CCH-01U	CCH Panels and Pigtailed Cassettes 
	CCH-02U	
	CCH-04U	

Wall-Mountable Hardware

Hardware Type	Available Sizes	Secure Solution Required
Wall-Mountable Closet Housing (WCH) 	WCH-02P	CCH Panels and Pigtailed Cassettes 
	WCH-04P	
	WCH-06P	
Single-Panel Housing (SPH) 	SPH-01P	CCH Panels 

FIBER OPTIC HARDWARE
SECURE SOLUTIONS

Fiber-to-the-Desk Module

MAM - M - - - -

|1 |2 |3 |4 |5 |6 |7 |8

|1

Select wiring/polarity.

U = Universal
R = Classic

|2

Defines fiber count.

12 = 12-fiber

|3

Select front connector.

Non-keyed

04 = LC Duplex, SM
05 = LC Duplex, MM

Keyed

33 = Keyed LC, SM
26 = Keyed LC, MM

|4

Select connector color.

N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

**Keyed connector pairings exclude black and white.*

|5

Select back connector.

Non-keyed

89 = MTP®, std loss (pinned) SM
93 = MTP, low-loss (pinned) MM

Keyed

Y4 = Keyed MTP, std loss (pinned) SM
Y2 = Keyed MTP, low-loss (pinned) MM

|6

Select connector color.

Z = Non-keyed LC
N = Blue R = Red
E = Orange B = Black
G = Green Y = Yellow
K = Brown V = Violet
S = Slate P = Rose
W = White A = Aqua

|7

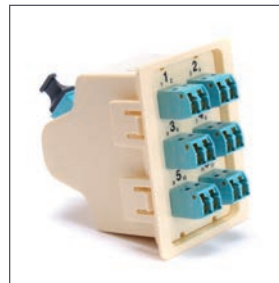
Select fiber type.

T = ClearCurve® (OM3)
Q = ClearCurve (OM4)
G = XB, Single-mode

|8

Module type.

J = Junction box
F = Floor box



FIBER OPTIC HARDWARE SECURE SOLUTIONS

CORNING

For more information, visit:
<http://opcomm.corning.com/1-ENBOWMTOOL>

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2015 Corning Optical Communications. All rights reserved. LAN-1852-AEN / September 2015