Cable Assemblies

An Evolant® Solutions Product

Corning
Cable Systems

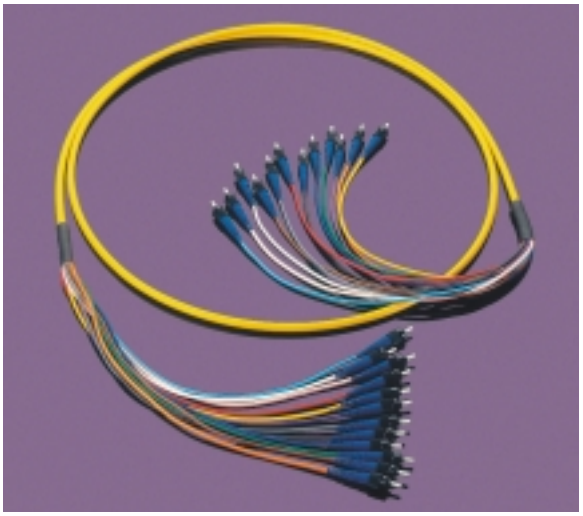
Description

As the industry's leading supplier of single-mode cable assemblies, Corning Cable Systems offers the most complete line of connectors and factory-terminated cables. From single-fiber jumpers to high-fiber-count assemblies, Corning Cable Systems products meet or exceed all industry standards for reflectance and insertion loss.

Corning Cable Systems' state-of-the-art manufacturing process ensures unsurpassed connector performance. We thoroughly screen the fibers and ferrules at the beginning, assemble and polish them in a carefully monitored and controlled process, and quality test our assemblies at the end. This assembly and polishing process ensures the same outstanding quality in every connector.

When performance counts, ask for Corning Cable Systems assemblies.

FC Ultra PC 12-Fiber Cable Assembly | Photo CCA30



ST® Compatible Ultra PC 12-Fiber Cable Assembly | Photo CCA29

FREEDM® SC Ultra PC Cable Assembly | Photo CCA31

CORNING
Discovering Beyond Imagination

Connector Types

Jacketed Fiber

900 µm Fiber

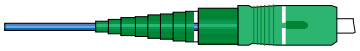
SC Ultra PC
Blue boot represents ≤ -55 dB reflectance

SC Ultra PC | Drawing ZA-1447

SC Ultra PC | Drawing ZA-1448

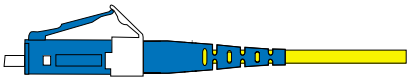
SC Angled PC
Green boot represents ≤ -65 dB reflectance

SC Angled PC | Drawing ZA-1451

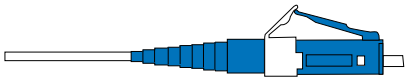


SC Angled PC | Drawing ZA-1452

LC Ultra PC
Blue boot represents ≤ -55 dB reflectance

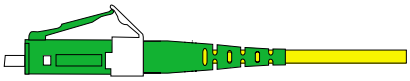


LC Ultra PC | Drawing ZA-2957



LC Ultra PC | Drawing ZA-2957

LC Angled PC
Green boot represents ≤ -65 dB reflectance

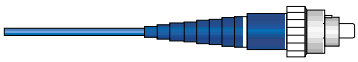


LC Angled PC | Drawing ZA-2958

LC Angled PC | Drawing ZA-2958

FC Ultra PC
Blue boot represents ≤ -55 dB reflectance

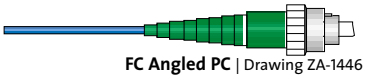
FC Ultra PC | Drawing ZA-1441



FC Ultra PC | Drawing ZA-1442

FC Angled PC
Green boot represents ≤ -65 dB reflectance

FC Angled PC | Drawing ZA-1445



FC Angled PC | Drawing ZA-1446

ST® Compatible Ultra PC
Blue boot represents ≤ -55 dB reflectance

ST Compatible Ultra PC | Drawing ZA-1457

ST Compatible Ultra PC | Drawing ZA-1458

MTPA
Reflectance of -55 dB

MTPA | Drawing ZA-2386

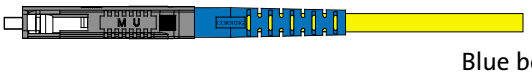
Note: shown with ribbon **MTPA** | Drawing ZA-2386

MT-RJ
Reflectance of -35 dB

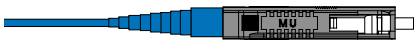
MT-RJ | Drawing ZA-2385

MT-RJ | Drawing ZA-2385

MU Ultra PC
Blue boot represents ≤ -55 dB reflectance



MU Ultra PC | Drawing ZA-2388



MU Ultra PC | Drawing ZA-2388

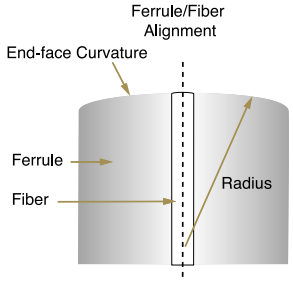
Note: Drawings are not to scale.

Connector Performance

Controlling connector end-face geometry is key to ensuring network reliability. Radius of Curvature, Apex Offset and Fiber Undercut are the three critical parameters that affect long-term connector performance. These parameters are closely monitored and controlled throughout Corning Cable Systems automated process, thus assuring the highest quality in each and every connector assembly.

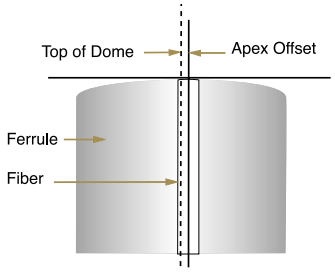
Radius of Curvature

Radius of Curvature describes the radius of the end-face surface measured from the ferrule axis. The correct Radius of Curvature is necessary to control the compressive forces on the connector end-face. Radius of Curvature values between 10 to 30 millimeters are recommended to avoid fiber damage and to ensure low reflectance and insertion loss.



Radius of Curvature | Drawing ZA-1269

Apex Offset

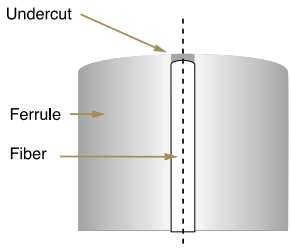


Apex Offset | Drawing ZA-1269

Apex Offset is the displacement between the apex of the sphere that fits the ferrule end-face and the center of the fiber core. Excessive Apex Offset can lead to lack of physical contact of the fiber cores and an increase in insertion loss. An Apex Offset value of ≤ 50 microns is recommended. Values greater than 50 microns can reduce fiber-to-fiber contact and cause increases in reflectance over the operating temperature.

Fiber Undercut/Protrusion

Fiber Undercut is the distance of the fiber above or below the fitted spherical surface of the ferrule. Proper undercut guarantees that fiber-to-fiber contact will always be maintained over the operating temperature range. An undercut value of ± 50 nanometers is recommended to avoid air gaps between fibers. Larger undercut values can cause changes in reflectance and insertion loss. Excessive fiber protrusion can increase the compressive load at the end of the fiber causing fiber damage or failure of the fiber-ferrule epoxy bond.



Radius of Curvature | Drawing ZA-1269

	Shroud*	Boot	Cable
SM	Blue	Blue	Yellow
MM 62.5 µm	Beige	Black	Orange
MM 50 µm	Black	Black	Orange
Pretium™ 550 Solutions	Black	Aqua	Aqua

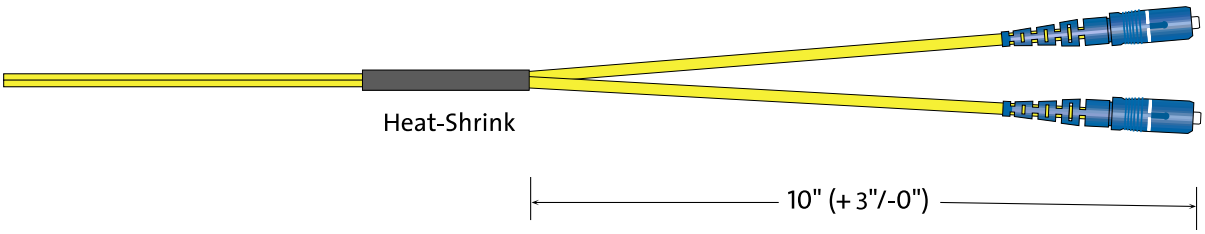
**Note: Shroud color scheme is not applicable on FC or ST® compatible connectors.*

Single-Fiber Cable

Available in 1.6 mm, 2.0 mm or 2.9 mm outer diameters.

Single-Fiber Cable | Drawing ZA-2557

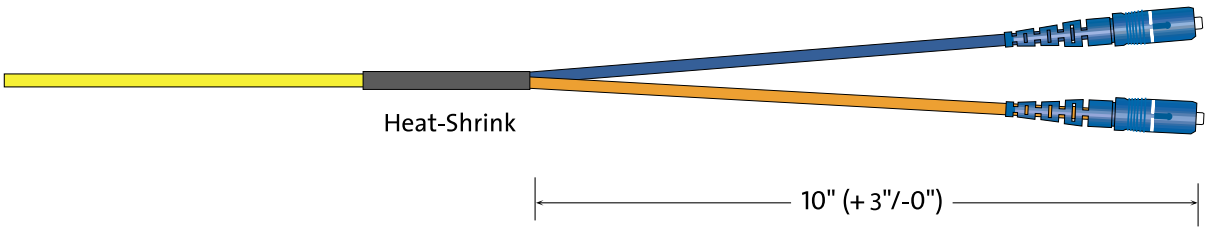
Zipcord Cable (2 fibers)



Available in 1.6 mm, 2.0 and 2.9 mm subunits.

Zipcord Cable (2 fibers) | Drawing ZA-2930

DFX® Cable (2 fibers)

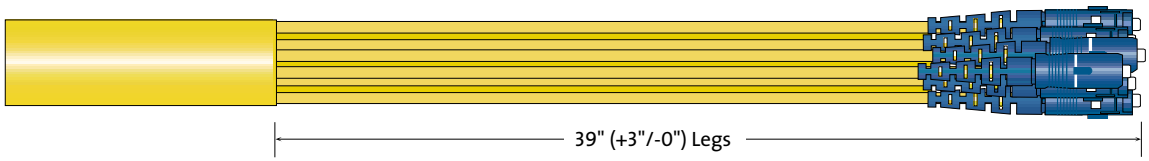


Available in 2.0 mm or 2.9 mm legs.
For total assembly length less than 3 feet, legs are 6 inches (+3 inch/-0 inch).
Available in single-mode only.

DFX Cable (2 fibers) | Drawing ZA-2931

Fan-Out Cable (2-24 fibers)

Example shows cable with SC Ultra PC Connectors installed.

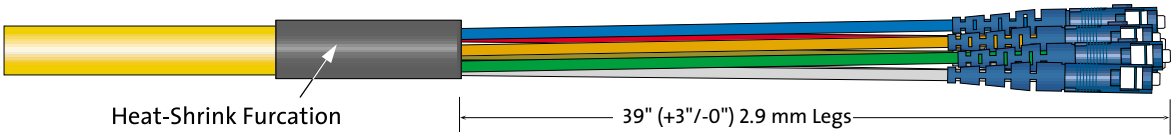


Maximum fiber count for fan-out cable assemblies is 24 fibers.
Available in 1.6 mm, 2.0 mm and 2.9 mm subunits

Fan-Out Cable (2-24 fibers) | Drawing ZA-2932

MIC® Cable Furcation (2-12 fibers) with 2.9 mm legs

Example shows cable with SC Ultra PC Connectors installed.

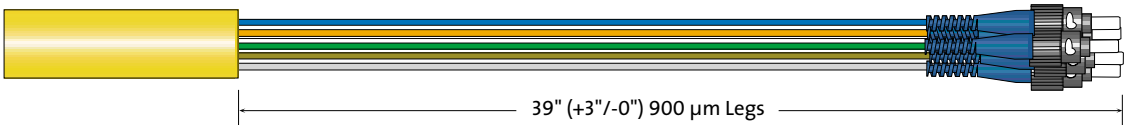


Also available in 2.0 mm and 900 µm legs.

MIC Cable Furcation (2-12 fibers) | Drawing ZA-2933

MIC Cable Furcation (13-24 fibers) with 900 µm legs

Example shows cable with ST® Compatible Ultra PC Connectors installed.

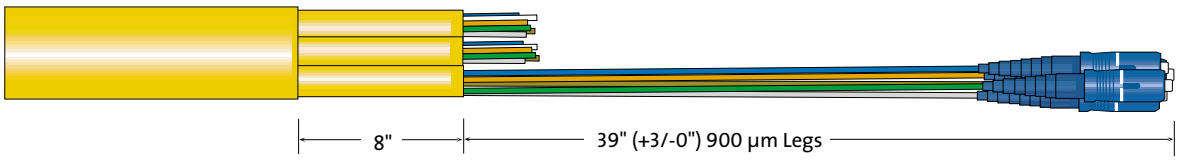


Also available in 2.0 mm and 2.9 mm legs. Standard construction of 24-fiber assembly is a single-layer MIC Cable. For MIC Unitized Cable construction, a serialized part number is required.

MIC Cable Furcation (13-24 fibers) | Drawing ZA-2934

MIC Unitized Cable Furcation (25-144 fibers)

Example shows cable with SC Ultra PC Connectors installed.

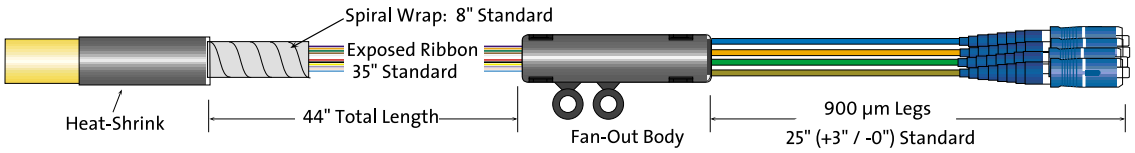


Also available in 2.0 mm and 2.9 mm legs. Standard construction is 6-fiber subunit up to 48-fiber, and 12-fiber subunit from 60 to 144 fibers. 24 Fiber assembly available in MIC unitized construction, serialized part number is required.

MIC Unitized Cable Furcation (24-144 fibers) | Drawing ZA-2935

Ribbon Riser and FREEDM® Ribbon Cable Configuration (12-72 fibers)

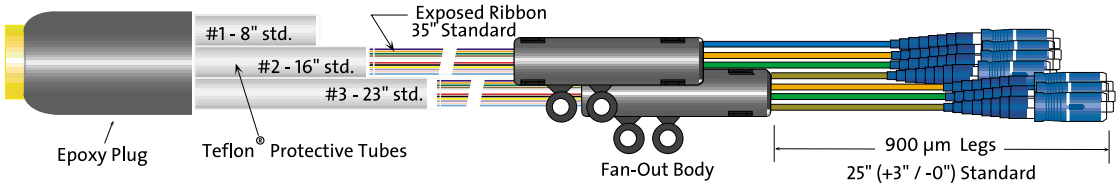
Example shows cable with SC Ultra PC Connectors installed.



Ribbon Riser and FREEDM Ribbon Cable Configuration | Drawing ZA-2959

Ribbon Riser and FREEDM Ribbon Cable Configuration (84-216 fibers)

Example shows 216-fiber cable with SC Ultra PC Connectors installed.

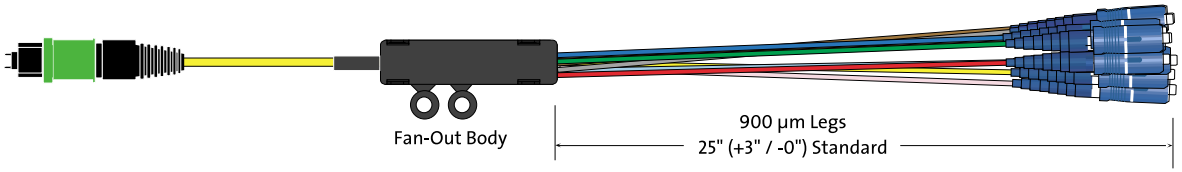


Fiber Counts for Protective Tubes:
Tube #1: 1-72 fibers
Tube #2: 73-144 fibers
Tube #3: 145-216 fibers

Ribbon Riser and FREEDM Ribbon Cable Configuration | Drawing ZA-2960

Ribbon Interconnect Cable Configuration (6-12 fibers with 900 µm legs)

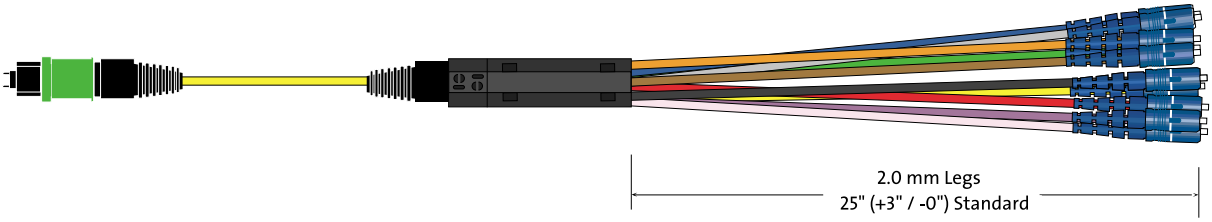
Example shows MTP® SC Ultra PC Connectors installed.



Ribbon Interconnect Cable Configuration | Drawing ZA-2329

Ribbon Interconnect Cable Configuration with Upjacketed Legs

Example shows MTP SC Ultra PC Connectors installed.

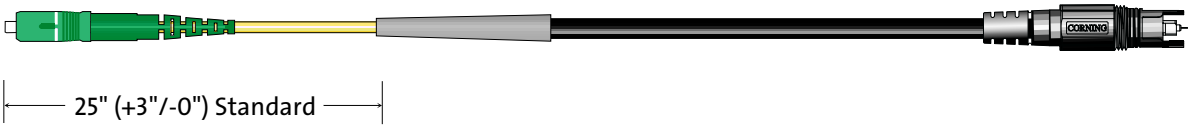


6 fibers maximum with 2.9 mm legs
12 fibers maximum with 2.0 mm legs

Ribbon Interconnect Cable Configuration with Upjacketed Legs | Drawing ZA-2424

Classic Outdoor Drop

Example shows 2.9 mm cable with SC Angled Connectors and OptiFit® Advantage Connector installed.



25" (+3"/-0") Standard

*** Ordering information for drop assemblies on page 14.**

Standard Outdoor Drop | Drawing ZA-2953

OptiFit® Advantage Drop Cable

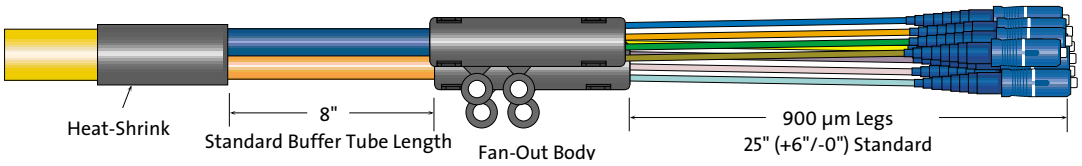
Example shows single fiber dielectric drop cable with OptiFit Advantage Connector installed.

*** Ordering information for drop assemblies on page 15.**

OptiFit Advantage Drop Cable | Drawing ZA-2954

ALTOS® and FREEDM® Riser Cable Configuration

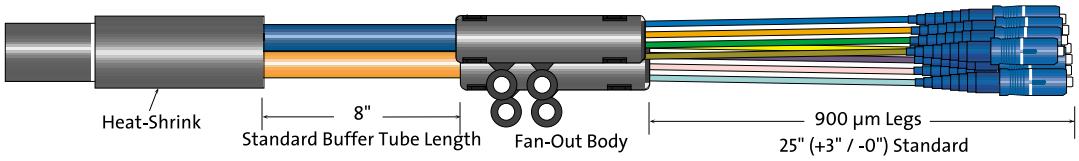
Example shows cable with SC Ultra PC Connectors installed.



ALTOS Riser Cable Configuration | Drawing ZA-2955

ALTOS Outside Plant and FREEDM Cable Configuration

Example shows cable with SC Ultra PC connectors installed.



ALTOS Outside Plant and FREEDM Cable Configuration | Drawing ZA-2956

Connector Specifications

Type	Code	Insertion Loss (dB) Typical 50/125 µm and 62.5/125 µm	Ferrule	Construction Housing
Multimode Connectors				
SC PC	39	0.35	Ceramic	Composite
568SC Duplex	57	0.35	Ceramic	Composite
ST® Compatible PC Ceramic	50	0.35	Ceramic	Composite
MTP® (no pins)	69	0.5	Composite	Composite
MT-RJ (no pins)	97	0.3	Composite	Composite
LC	03	0.35	Ceramic	Composite
LC Duplex	05	0.35	Ceramic	Composite

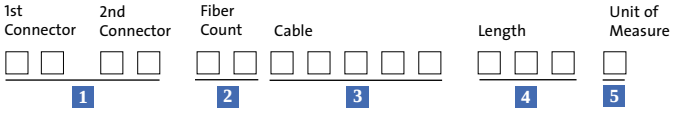
Type	Code	Insertion Loss (dB) Typical	Reflectance (dB) Typical	Construction Ferrule	Housing
Single-mode Connectors*					
SC Ultra PC	58	0.15	≤ -58	Ceramic	Composite
SC Angled PC	65	0.15	≤ -75	Ceramic	Composite
SC Duplex	72	0.15	≤ -59	Ceramic	Composite
LC Simplex	02	0.1	≤ -58	Ceramic	Composite
LC Duplex	04	0.1	≤ -58	Ceramic	Composite
LC Angled	10	0.3	≤ -75	Ceramic	Composite
LC 90° Boot Clip	12	0.1	≤ -58	Ceramic	Composite
LC Duplex with 90° Boot Clip	23	0.1	≤ -58	Ceramic	Composite
FC Ultra PC	54	0.15	≤ -59	Ceramic	Nickel, Brass
FC Angled PC	21	0.15	≤ -75	Ceramic	Nickel, Brass
ST Compatible Ultra PC	61	0.15	≤ -58	Ceramic	Composite
MTP (no pins)	90	0.5	≤ -65	Composite	Composite
MT-RJ (no pins)	98	0.3	≤ -53	Composite	Composite
MU UPC	85	0.3	≤ -58	Ceramic	Composite
D4 UPC	62	0.3	≤ -58	Ceramic	Composite

**Note: For information on low-loss jumpers, please call Customer Service, or refer to EVO-372-EN.*

Single-Fiber Connectors

Ordering Information

Corning Cable Systems patch cords and high-fiber-count assemblies are ordered using five easy steps. The steps involve the selection of connector(s), cable and length. The format and steps are listed below.



For single-fiber connectors, use the following options to construct the part number:

1 Select connector code based on the type of adapter used at the patch panel and the electronic interface connector. The connector and adapter must be compatible for a correct connection. (Always use the lowest code first when constructing the part number.)

00= No connectors (use when ordering a 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*

Single-mode
54 = FC Ultra PC Simplex
21 = FC Angled PC Simplex
58 = SC Ultra PC Simplex
65 = SC Angled PC Simplex
10 = LC Angled PC* Simplex
12 = LC Ultra PC with 90° boot clip*
61 = ST Compatible Ultra PC
02 = LC Ultra PC Simplex*

** Available on 1.6 mm, 2.0 mm and 900 µm cable types only.*

2 Select fiber count.

01-96[1]

[1] *For fiber counts greater than 96, contact Customer Service.*

Single-Fiber Connectors
Ordering Information *(continued)*

3 Select cable code based on construction and fiber type.

Cable Type	*Fiber Type*			
Cable Listing: No Listing Required	***62.5 µm***	***50 µm***	***50 µm Pretium 300 Solution***	***Single-mode***
900 µm	K4141	C4131	S4180	R4131
Cable Listing: Riser – OFNR				
Single-Fiber Cable, 2.9 mm	K3141	C3131	S3180	R3131
Single-Fiber Cable, 2.0 mm	K2141	C2131	S2180	R2131
Single-Fiber Cable, 1.6 mm	K3116	C3116	S3116	R3116
Zipcord Cable (2 fiber), 2.9 mm	K5141	C5131	S5180	R5131
Zipcord Cable (2 fiber), 2.0 mm	K5120	C5120	S5120	R5120
Zipcord Cable (2 fiber), 1.6 mm	K5116	C5116	S5116	R5116
DFX® Cable (2 fiber), 2.9 mm legs				R9131
DFX® Cable (2 fiber), 2.0 mm legs				R9120
Fan-Out Cable (2-24 fiber), 2.9 mm subunits	K61HD	C61HD	S61HD	R61HD
Fan-Out Cable (2-24 fiber), 2.0 mm subunits	K61LD	C61LD	S61LD	R61LD
Fan-Out Cable (2-24 fiber), 1.6 mm subunits	K61XD	C61XD	S61XD	R61XD
MIC® Cable (2-12 fiber), 2.9 mm	K8130	C8131	S8180	R8131
MIC Cable (2-12 fiber), 2.0 mm	K8120	C8120	S8120	R8120
MIC Cable (2-12 fiber), 900 µm	K81NF	C81NF	S81NF	R81NF
MIC Cable (> 12 fiber), 2.0 mm legs	K8120	C8120		R8120
MIC Cable (> 12 fiber), 900 µm legs	K8130	C8131	S8180	R8131
MIC Unitized Cable (25-144 fiber), 900 µm legs	K8130	C8131	S8180	R8131
MIC Unitized Cable (25-144 fiber), 2.0 mm legs	K8120	C8120		R8120
Ribbon Interconnect Riser (2 and 4 fiber)	KJ130	CJ131	SJ180	RJ131
Ribbon Interconnect Riser (8 and 12 fiber)	KJ125*	CJ125*	SJ125*	RJ125*
Ribbon Riser	KC725*	CC725*	SC725*	RC725*
ALTOS® Riser	KW725*	CW725*	SW725*	RW725*
Cable Listing: Plenum – OFNP				
Single-Fiber Cable, 2.9 mm	K3841	C3831	S3880	R3831
Single-Fiber Cable, 2.0 mm	K2841	C2831	S2880	R2831
Single-Fiber Cable, 1.6 mm	K3816	C3816	S3816	R3816
Zipcord Cable (2 fiber)	K5841	C5831	S5880	R5831
Fan-Out Cable, 2.9 mm subunits	K68HD	C68HD	S68HD	R68HD
Fan-Out Cable, 2.0 mm subunits	K68LD	C68LD	S68LD	R68LD
Fan-Out Cable, 1.6 mm subunits	K68XD	C68XD	S68XD	R68XD
MIC Cable (2-12 fiber), 2.9 mm	K8830	C8831	S8880	R8831
MIC Cable (2-12 fiber), 2.0 mm	K8820	C8820	S8820	R8820
MIC Cable (2-12 fiber), 900 µm	K88NF	C88NF	S88NF	R88NF
MIC Cable (> 12 fibers)	K8830	C8831	S8880	R8831
MIC Unitized Cable	K8830	C8831	S8880	R8831
Ribbon Interconnect (2 and 4 fiber)	KJ840	CJ831	SJ880	RJ831
Ribbon Interconnect (8 and 12 fiber)	KJ825*	CJ825*	SJ825*	RJ825*
Ribbon Plenum	KC825*	CC825*	SC825*	RC825*
Indoor/Outdoor				
FREEDM® Cable	KWF25*	CWF25*	SWF25*	RWF25*
FREEDM LST™ Cable	KSF25*	CSF25*	SSF25*	RSF25*
FREEDM Ribbon Riser Cable	KCF25*	CCF25*	SCF25*	RCF25*
FREEDM One Riser Cable (6 and 12 fiber), 2.9 mm	K8F30	C8F31	S8F80	R8F31
FREEDM One Riser Cable (6 and 12 fiber), 2.0 mm	K8F20	C8F20	S8F20	R8F20
FREEDM One Riser Cable (6 and 12 fiber), 900 µm	K8FNF	C8FNF	S8FNF	R8FNF
FREEDM One Plenum Cable (6 and 12 fiber), 2.9 mm	K8P30	C8P31	S8P80	R8P31
FREEDM One Plenum Cable (6 and 12 fiber), 2.0 mm	K8P20	C8P20	S8P20	R8P20
FREEDM One Plenum Cable (6 and 12 fiber), 900 µm	K8PNF	C8PNF	S8PNF	R8PNF
Outdoor				
ALTOS Cable	KW425*	CW425*	SW425*	RW425*
ALTOS LST™ Cable	KS425*	CS425*	SS425*	RS425*

**Defines standard as 25 inch leg lengths, other leg lengths available. Part number will change.*

4 Select cable assembly length.
001 to 999[1]

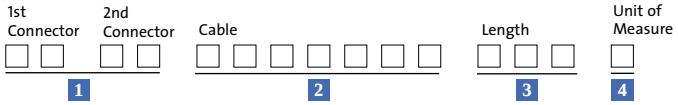
5 Select unit of measure.
M = Meters
F = Feet

[1] *For lengths greater than 999, contact Customer Service.*

MT-RJ Jumpers

Ordering Information

Corning Cable Systems 2-fiber patch cords are ordered using four easy steps. The steps involve the selection of connector(s), cable and length. The format and steps are listed below.



For 2-fiber connectors, use the following options to construct the part number:

1 Select connector code based on the type of adapter used at the patch panel and the electronic interface connector. The connector and adapter must be compatible for a correct connection. (Always use the lowest code first when constructing the part number.)

Multimode
97 = MT-RJ (no pins)

Single-mode
98 = MT-RJ (no pins)

Note: MT-RJ Patch cords are typically sold without pins. For pinned versions, call Customer Service.

For single-fiber connectors, use the following options to construct the part number:

Select connector code based on the type of adapter used at the patch panel and the electronic interface connector. The connector and adapter must be compatible for a correct connection. (Always use the lowest code first when constructing the part number.)

00 = No connectors (use when ordering a 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*

Single-mode
54 = FC Ultra PC Simplex
58 = SC Ultra PC
72 = SC Ultra PC Duplex
61 = ST Compatible Ultra PC
02 = LC Ultra PC Simplex*
04 = LC Ultra PC Duplex*

2 Select cable code based on construction and fiber type.

	Fiber Type			
Cable Type	***62.5 µm***	***50 µm/150m***	***50 µm Pretium /300m***	***Single-mode***
Cable Listing: Riser – OFNR				
Ribbon Interconnect	02KJ140	02CJ131	02SJ180	2RJ131
Cable Listing: Riser – OFNP				
Ribbon Interconnect	02KJ840	02CJ831	02SJ880	02RJ831

Note: For hybrid jumpers, standard leg length for single-fiber connector end is 10 inches, 2.9 mm legs. For LC and MU, standard leg is 2.0 mm.

3 Select length.

001 - 999[1]

Note: for lengths greater than 999, contact Corning Cable Systems Customer Service

4 Select unit of measure.

M = Meters
F = Feet

**LC and MU available with 2.0 mm legs only.*

MT-RJ Trunks, 6-144 Fibers

Ordering Information

1st Connector	2nd Connector	Fiber Count	Fiber Type	Cable Type	Cable Performance	Assembly Length	Unit of Measure
☐☐	☐☐	☐☐	☐	☐☐	☐☐	☐☐☐	☐
1	2	3	4	5	6	7	8

For MT-RJ fiber connectors, use the following options to construct the part number:

1 Select connector type on first end.

Single-mode

87 = MT-RJ (pins)*

**Note: Select connector code based on the type of adapter used at the patch panel and the electronic interface connector. The connector and adapter must be compatible for a correct connection. (Always use the lowest code first when constructing the part number.)*

Multimode

86 = MT-RJ (pins)*

***Most multifiber applications are for backbone cabling and will require an MT-RJ (pinned) connector. If non-pinned connectors are required, please contact Customer Service.**

For MT-RJ end, standard legs are 900 µm. Leg lengths are 39 inches (-0 / +3 inches).

For single-fiber connectors, use the following options to construct the part number:

Multimode

17 = FC PC
39 = SC PC, ceramic
57 = SC Duplex, ceramic
50 = ST® Compatible PC, ceramic
03 = LC PC** Simplex
05 = LC PC Duplex**

Single-mode

54 = FC Ultra PC
21 = FC Angled PC
58 = SC Ultra PC Simplex
72 = SC Ultra PC Duplex
65 = SC Angled PC Simplex
10 = LC Angled PC** Simplex
61 = ST Compatible Ultra PC
02 = LC Ultra PC Simplex**
04 = LC Ultra PC Duplex**
62 = D4 Ultra PC

Fiber counts 12 or less, standard legs are 2.9 mm, leg lengths 39 inches (-0 / +3 inches).
Fiber counts greater than 12, standard legs are 900 µm, leg lengths 39 inches (-0 / +3 inches).
***Available with 2.0 mm and 900 µm legs only.*

2 Select connector type on second end.

Single-mode

87 = MT-RJ (pins)*

Multimode

86 = MT-RJ (pins)*

**Note: If non-pinned connectors are required, please contact Customer Service.*

For MT-RJ end, standard legs are 900 µm. Leg lengths are 39 inches (-0 / +3 inches).

3 Select standard fiber count.

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

4 Select fiber type.

R = Single-mode
K = 62.5/125 µm
C = 50/125 µm, 150 m
S = 50/125 µm, 300 m

7 Select assembly length.

001 - 999[1]

5 Select cable type.

81 = MIC® Riser Cable
88 = MIC Plenum Cable

8 Select unit of measure.

M = Meters
F = Feet

6 Select cable performance.

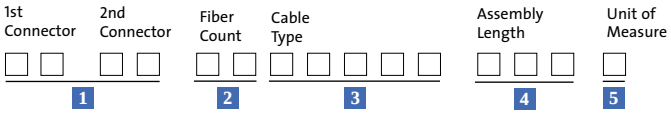
31 = Single-mode 1.0/.75
30 = 62.5 µm multimode fiber
31 = 50 µm multimode fiber

[1]*For lengths greater than 999, contact Customer Service.*

MTP® Connector Jumpers

Ordering Information

Corning Cable Systems' patch cords and pigtails are ordered using five easy steps. The steps involve the selection of connector(s), cable and length. The format and steps are listed below.



For two-fiber connectors, use the following options to construct the part number:

1 Select connector code based on the type of adapter used at the patch panel and the electronic interface connector. The connector and adapter must be compatible for a correct connection. (Always use the lowest code first when constructing the part number.)

00= No connectors (use when ordering a pigtail)

Multimode

69 = MTP® Connector (no pins)
70 = MTP Connector(pin)

Single-mode

90 = MTP Connector (no pins)
89 = MTP Connector (pin)

2 Select fiber count.

12 = 12 fibers

3 Select cable code based on construction and fiber type.

	Fiber Type			
Cable Type	***62.5 µm***	***50 µm/ 150 m***	***50 µm/ 300 m***	***Single-mode***
Cable Listing: Riser – OFNR				
Ribbon Interconnect Cable	KJ140	CJ131	SJ131	RJ131
Cable Listing: Plenum – OFNP				
Ribbon Interconnect Cable	KJ840	CJ831	SJ831	RJ831

Note: For hybrid jumpers, standard leg length for single-fiber connector end is: 12 fiber – 25-inch, 900 µm legs

4 Select cable assembly length.

001 to 999[1]

[1] *For lengths greater than 999, contact Customer Service.*

5 Select unit of measure.

M = Meters
F = Feet

Note: A separate spec sheet with MTP Connector ordering information is available.

Classic Outdoor Drop Ordering Information

Product Ordering Examples

Part Number Example	Description
435801EB4H3300F-P	OptiFit® Cable Assembly to SC UPC, 200 ft., dielectric flat drop, coil packaging
024301EB4P2400F-P	LC UPC to OptiFit Cable Assembly, 300 ft., dielectric flat drop, e/w individual packaging

Corning Cable Systems' patch cords and high-fiber-count assemblies are ordered using five easy steps. The steps involve the selection of connector(s), cable and length. The format and steps are listed below.

1st Connector 2nd Connector

□□ □□ **0 1 E B 4** □□ □□□ □ **P**

1 2 3 4 5

1 Select connector code based on the type of adapter (Always use the lowest code first when constructing the part number.)

00 = No connector (use when ordering a pigtail)
54 = FC Ultra PC
21 = FC Angled PC
58 = SC Ultra PC
65 = SC Angled PC
10 = LC Angled PC*
61 = ST Compatible Ultra PC
02 = LC Ultra PC Simplex*
43 = OptiFit® Advantage Cable Assembly with SC APC connector
41 = OptiFit Advantage Cable Assembly with SC UPC connector
* *LC available in 900 µm and 2.0 mm legs only.*

2 Select leg transition/furcation type.

P9 = Epoxy plug 900 µm legs, 25 in.
P3 = Epoxy plug 2.9 mm legs, 25 in.
P2 = Epoxy plug 2.0 mm legs, 25 in.
H3 = Heat-shrink 2.9 mm legs, 25 in.

3 Select cable assembly length (three digit length) for lengths under 999 ft. *Contact Customer Service for lengths greater than 999 ft.*

4 Select cable assembly unit of length.

F = Feet
M = Meters

5 Defines packaging.

P = Individual packaging for all lengths and shipping reels available.
Shipping reel available on lengths ≥ 300 ft

OptiFit® Advantage Drop Ordering Information

Product Ordering Examples

Part Number Example	Description
434301EB4FD300F-P	OptiFit® to OptiFit Cable Assembly, 200 ft, dielectric flat drop, (coil packaging)
434301EB1TD400F-P	OptiFit to OptiFit Cable Assembly, 300 ft, toneable flat drop, e/w individual packaging

□ □ □ □ **0 1 E B** □ □ □ □ □ □ □ **-** **P**
1 2 3 4 5 6

1 Select End One connector.

00 = No connector
43 = OptiFit® Advantage Cable Assembly with SC APC connector
41 = OptiFit Advantage Cable Assembly with SC UPC connector

2 Select End Two connector.

43 = OptiFit Advantage Cable Assembly with SC APC connector
41 = OptiFit Advantage Cable Assembly with SC UPC connector

3 Select cable type.

4FD = Dielectric flat drop
1TD = Toneable flat drop

4 Select cable assembly length (three digit length) for lengths under 999 ft. *Contact Customer Service for lengths greater than 999 ft.*

5 Select cable assembly unit of length.

F = Feet
M = Meters

6 Defines packaging.

P = Individual packaging for all lengths and shipping reels available. Shipping reel available on lengths ≥ 300 ft

Ordering Information

Product Ordering Examples

Jumper with Single-Fiber Connectors

Multimode 62.5 µm jumper with SC PC ceramic and ST® compatible ceramic PC connectors on 2.9 mm riser single-fiber cable, 10 ft.

39 50	01K3141	010	F
1	2	3	4

1. 39 = SC PC ceramic – 1st end
   50 = ST Compatible PC – 2nd end
2. 01K3141 = Single-fiber cable, 2.9 mm
3. 010 = Assembly length of 10
4. F = Unit of measure is feet

Jumper with MT-RJ Connectors

Multimode 62.5 µm jumper with 568SC Duplex, Ceramic and MT-RJ (no pins) connectors, ribbon interconnect cable, 5 m.

57 97	02	KJ1	40	005	M
1	2	3	4	5	6

1. 57 = 568SC Duplex, ceramic – 1st end
   97 = MT-RJ (no pins) – 2nd end
2. 02 = 2-fiber count
3. KJ1 = Ribbon interconnect cable
4. 40 = 10-in leg length with 2.9 mm legs
5. 005 = Assembly length of 5
6. M = Unit of measure is meters

Pigtail with MTP® Connectors

Multimode 62.5 µm pigtail with MTP connector, 12-fiber ribbon interconnect cable, 10 m.

00 69	12KJ140	010	M
1	2	3	4

1. 00 = Pigtail – 1st end
   69 = MTP Connector (no pins) – 2nd end
2. 12KJ140 = 12-fiber ribbon interconnect cable
3. 010 = Assembly length of 10
4. M = Unit of measure is meters

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