

Cable Assemblies























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Connector Types

Jacketed Fiber

900 μ m

	FC Ultra PC Blue boot represents ^a -55 dB reflectance	
	FC Angled PC Green boot represents ^a -65 dB reflectance	
	SC Ultra PC Blue boot represents ^a -55 dB reflectance	
	SC Angled PC Green boot represents ^a -65 dB reflectance	
	LC Ultra PC Blue boot represents ^a -55 dB reflectance	
	LC Angled PC Green boot represents ^a -65 dB reflectance	
	ST® Compatible Ultra PC Blue boot represents ^a -55 dB reflectance	
	MTP® Angled Connector Green boot represents ^a -55 dB reflectance	
	MT-RJ Reflectance of ^a -35 dB	
	E-2000 Ultra PC Blue boot represents ^a -55 dB reflectance	
	E-2000 Angled PC Green boot represents ^a -65 dB reflectance	
	LSA - DIN Ultra PC Reflectance of ^a -55 dB	

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Connector Specifications

Multimode Connectors

Type	Code	Insertion Loss at 1300 nm (dB) 50/125 µm and 62.5/125 µm		Durability (dB)	Construction	
		Max.	Typical		Ferrule	Housing
SC PC	39	0.5	0.35	0.2	ceramic	composite
SC Duplex	57	0.5	0.35	0.2	ceramic	composite
ST® Compatible PC (plastic bayonet)	50	0.5	0.35	0.2	ceramic	composite
FC PC	17	0.5	0.35	0.2	ceramic	nickel, brass
E-2000™ PC	95	0.5	0.35	0.2	ceramic	composite
LC	03	0.5	0.35	0.2	ceramic	composite
LC Duplex	05	0.5	0.35	0.2	ceramic	composite
MTP® (non-pinned)	69	0.75	0.5	0.2	composite	composite
MT-RJ (non-pinned)	97	0.5	0.3	0.2	composite	composite

Single-mode Connectors

Type	Code	Insertion Loss at 1310 nm (dB)		Durability (dB)	Reflectance (dB)		Construction	
		Max.	Typical		Typical	Guaranteed	Ferrule	Housing
SC Ultra PC	58	0.5	0.15	0.2	≤ -59	≤ -55	ceramic	composite
SC Angled PC	65	0.5	0.15	0.2	≤ -75	≤ -65	ceramic	composite
ST Compatible Ultra PC (plastic bayonet)	61	0.5	0.15	0.2	≤ -59	≤ -55	ceramic	composite
FC Ultra PC	54	0.5	0.15	0.2	≤ -59	≤ -55	ceramic	nickel, brass
FC Angled PC	21	0.5	0.15	0.2	≤ -75	≤ -65	ceramic	nickel, brass
E-2000 UPC	20	0.5	0.15	0.2	≤ -59	≤ -55	ceramic	composite
E-2000 APC	19	0.5	0.15	0.2	≤ -75	≤ -65	ceramic	composite
LC UPC	02	0.5	0.1	0.2	≤ -58	≤ -55	ceramic	composite
LC Duplex	04	0.5	0.1	0.2	≤ -58	≤ -55	ceramic	composite
MT-RJ (non-pinned)	98	0.5	0.3	0.3	≤ -53	≤ -35	composite	composite
MTP (non-pinned)	90	0.75	0.5	0.2	≤ -65	≤ -55	composite	composite

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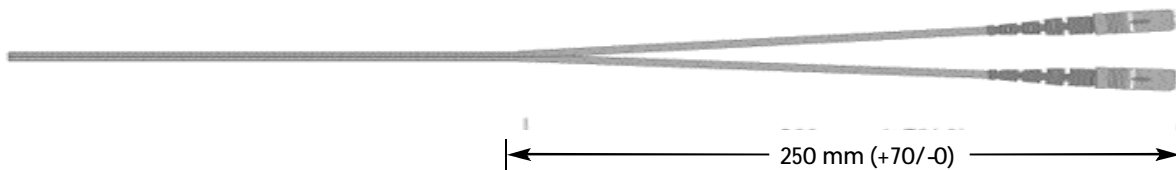
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Single-Fiber Cable



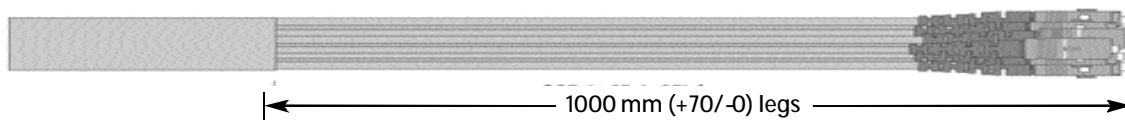
Available in 2.0 mm or 2.9 mm outer diameters.

Zipcord Cable (2 fibers)



Available in 1.8, 2.0 and 2.9 mm legs.

Break-Out/Fan-Out Cable (2-24 fibers - 2.0 mm legs)



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Ordering Information

Single-Fiber Connector Assemblies

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

1st Connector	2nd Connector	Fiber Count	Cable	Length	Unit of Measure
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6

Please use the following options to construct the order number:

- 1** Select connector code on first end based on the type of adapter used at the patch panel or 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.) Note: RFP polarity on duplex connectors.

00 = No connectors (when ordering with a pigtail)

Multimode	Single-mode
39 = SC PC	58 = SC Ultra PC
57 = SC Duplex*	72 = SC PC Duplex*
74 = ST® Compatible PC Ceramic (metal bayonet)	65 = SC Angled PC
50 = ST Compatible PC Ceramic (plastic bayonet)	61 = ST Compatible Ultra PC
17 = FC PC	83 = ST Compatible Ultra PC (metal bayonet)
95 = E2000™ PC	54 = FC Ultra PC
03 = LC PC	21 = FC Angled PC
05 = LC PC Duplex*	28 = LSA-DIN UPC
84 = MU PC**	20 = E2000 Ultra PC
	19 = E2000 Angled PC
	04 = LC Duplex*
	02 = LC Ultra PC
	85 = MU Ultra PC**

* For duplex pigtails please select two fibers

** MU connectors only with OFNR available

- 2** Select connector on second end.
Use the order numbers from selection 1.

- 3** Select standard fiber count.

01 = 1-fiber	(for buffered fiber or single-fiber cable)
02 = 2-fiber	(for buffered fiber, zip cord duplex, or breakout cable)
04 = 4-fiber	(for breakout cable or MIC* cable)
08 = 8-fiber	(for breakout cable or MIC cable)
12 = 12-fiber	(for breakout cable or MIC cable)
24 = 24-fiber	(for breakout cable, MIC or MIC unitized cable)
36 = 36-fiber	(for MIC unitized cable)
48 = 48-fiber	(for MIC unitized cable)
72 = 72-fiber	(for MIC unitized cable)
96 = 96-fiber	(for MIC unitized cable)
144 = 144-fiber	(for MIC unitized cable)

* MIC unitized only available as OFNR riser



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Ordering Information

Single-Fiber Connector Assemblies

4 Select cable code based on construction and fiber type.

Cable Type

Fiber Type

Cable Listing: FRNC / LSZH

	OM1 62.5 µm	OM2 50 µm	OM3 50 µm	OS1 Single-mode / E9
Buffered Fiber				
900 µm (TB, 1.5 m strippable)	K4Z41	C4Z31	S4Z80	R4Z31
900 µm (TB III, 10 cm strippable)	K4Z43	C4Z33	S4Z83	R4Z33
Single-Fiber Cable				
2.9 mm (TB III)	K3Z41	C3Z31	S3Z80	R3Z31
2.0 mm (TB III, standard for LC)	K2Z41	C2Z31	S2Z80	R2Z31
Zipcord / Duplex Cable				
2 x 2.9 mm (TB III)	K5Z41	C5Z31	S5Z80	R5Z31
2 x 2.0 mm (TB III, standard for LC)	K5Z20	C5Z20	S5Z20	R5Z20
Breakout Cable* – 2-12 fibers				
2.9 mm subunits (TB III)	K6Z41	C6Z31	S6Z80	R6Z31
Breakout Cable* – 2-24 fibers				
2.0 mm subunits (TB III)	K6Z20	C6Z20	S6Z20	R6Z20
MIC FRNC Cable* – 2-24 fibers	K8Z30	C8Z31	S8Z80	R8Z31

Indoor/Outdoor

Tight-Buffered MPC*	KSZ25	CSZ25	SSZ25	RSZ25
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Cable Listing: Riser – OFNR

Single-Fiber Cable				
2.9 mm (TB II)	K3141	C3131	S3180	R3131
2.0 mm (TB II)	K2141	C2131	S2180	R2131
Zipcord / Duplex Cable				
2.9 mm (TB II)	K5141	C5131	S5180	R5131
2.0 mm (TB II)	K5120	C5120	S5120	R5120
Breakout Cable – 2-24 fibers				
2.9 mm subunits (TB II)	K61HD	C61HD	S61HD	R61HD
Breakout Cable – 2-24 fibers				
2.0 mm subunits (TB II)	K61LD	C61LD	S61LD	R61LD
MIC Cable – 2-24 fibers*	K8130	C8131	S8180	R8131
MIC Unitized Cable – 36-144 fibers*	K8130	C8131	S8180	R8131

* Standard leg lengths for multifiber assemblies, 1000 mm (+70 / -0); no stagger.

Note: Pigtailed assemblies with 900 µm fiber are color coded by fiber type: S = Aqua, R = Yellow, G = Green, B = Blue

5 Select cable assembly length.

001 to 999

Note: Assembly lengths are measured from furcation plug to furcation plug. For lengths greater than 999, contact Customer Service.

6 Select unit of measure.

F = Feet

M = Meters

Examples

Order Number	Description
000502S4Z80002M	LC-Duplex Pigtail with 2 OM3 fibers 1.5 m strippable, halogen free, FRNC, assembled with 1 LC Duplex connector on 1. side and no connectors on 2. side, Cable length: 2 m
055724S8Z80100M	Breakout cable with 24 OM3 2.0 mm subunits, halogen free, FRNC, assembled with 12 LC Duplex connectors on 1. side and 12 SC Duplex connectors on 2. side, furcation legs 1000 mm each side, cable length: 100m.

Cable Assemblies

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Ordering Information

Multifiber MT-RJ and MTP Assemblies

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

1st Connector	2nd Connector	Fiber Count	Cable	Length	Unit of Measure
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6

Please use the following options to construct the order number:

- 1 Select connector code on first end based on the type of adapter used at the patch panel or 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.) Note: RFP polarity on duplex connectors, straight polarity on MTP-MTP jumpers.

00 = No connectors (when ordering with a pigtail)

Multimode

MTP Connectors

69 = MTP/f, non-pinned

70 = MTP/m, pinned

Only available with ribbon interconnect cable or bare ribbon cable. For MTP-Hybrid solutions please refer to our Plug&Play™ Universal Harness solutions.

MT-RJ Connectors

86 = MT-RJ/m, pinned

97 = MT-RJ/f, non-pinned

For MT-RJ-Hybrid solutions request, please use the connector codes from single fiber connector list.

Single-mode

MTP Connectors

89 = MTP/f Angled, non-pinned

90 = MTP/m Angled, pinned

Only available with ribbon interconnect cable or bare ribbon cable. For MTP-Hybrid solutions please refer to our Plug&Play™ Universal Harness solutions.

MT-RJ Connectors

87 = MT-RJ/m, pinned

98 = MT-RJ/f, non-pinned

For MT-RJ-Hybrid solutions request, please use the connector codes from single fiber connector list.

- 2 Select connector on second end.
Use the order numbers from selection 1.

- 3 Select standard fiber count.

02 = 2-fiber (for buffered fiber, mini-zipcord, mini-MIC 2.9 mm)

04 = 4-fiber (MIC cable)

12 = 12-fiber (MIC cable or for MTP only, ribbon interconnect cable or bare ribbon)

24 = 24-fiber (MIC cable)



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Ordering Information

Multifiber MT-RJ and MTP Assemblies

4 Select cable code based on construction and fiber type.

Cable Type

Fiber Type

Indoor: FRNC / LSZH

	OM1 62.5 µm	OM2 50 µm	OM3 50 µm	OS1 Single-mode / E9
Buffered Fiber				
900 µm (TB, 1.5 m strippable)	K4Z41	C4Z31	S4Z80	R4Z31
900 µm (TB III, 10 cm strippable)	K4Z43	C4Z33	S4Z83	R4Z33
Zipcord / Duplex Cable				
2 x 1.8 mm (Mini-Zip, TB III)*	K5Z18	C5Z18	S5Z18	R5Z18
Mini-MIC 2.9 mm (TB III)**	K8ZM2	C8ZM2	S8ZM2	R8ZM2

Indoor/Outdoor FRNC/LSZH

Tight-Buffered MPC* (TBIII)	KSZ25	CSZ25	SSZ25	RSZ25
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Ribbon FRNC/LSZH

Ribbon Interconnect Cable	KJZ40	CJZ31	SJZ80	RJZ31
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Bare Ribbon

Bare Ribbon Fiber	KXX40	CXX31	SXX80	RXX31
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* Standard leg lengths for multifiber assemblies, 1000 mm (+70 / -0); no stagger.

Note: Furcation legs are color coded by fiber type: K & C = Orange, S = Aqua, R = Yellow

MT-RJ pigtails on 900 µm fiber are color coded: blue = fiber 1, orange = fiber 2

5 Select cable assembly length.

001 to 999

Note: Assembly lengths are measured from furcation plug to furcation plug. For lengths greater than 999, contact Customer Service.

6 Select unit of measure.

F = Feet

M = Meters

Examples

Order Number	Description
009802R4Z31003M	MT-RJ Pigtail with 2 OS1 fibers 1.5 m strippable, halogen free, FRNC, assembled with 1 MT-RJ/f connector on 1. side and no connector on 2. side, pigtail length 3m
049802R5Z18010M	MT-RJ Patch cord with 2 OS1 fibers, halogen free, FRNC, assembled with 1 LC Duplex connector on 1. side and 1 MT-RJ/f connector on 2. side, cable length 10 m
898912RJZ31010M	Ribbon interconnect cable with 12 OS1 fibers, halogen free, FRNC, assembled with 1 MTP/f connector on 1. side and 1 MTP/f connector on 2. side, cable length 10m

