



Cable assemblies are a basic component for all network infrastructure projects. Corning’s preterminated assemblies use only high-quality optical fibers to ensure reliable performance. Our patch cords and pigtails comply with industry optical and mechanical requirements and they’re available in 1- and 2-fiber combinations for your convenience.

Features	Benefits
Superior Performance	Corning patch cords and pigtails are designed to IEC Grade B and exceed TIA 568 requirements. Corning’s preterminated assemblies use only high quality Corning optical fibers to ensure total performance quality
State-of-the-Art Manufacturing Processes	Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency backed by a 12-month performance warranty
Portfolio Breadth	Corning offers a complete line of preterminated Single-mode and multimode patch cords and pigtails with SC, LC, FC, and ST* connectors
Lead Time	Corning offers aggressive lead times and in-region product availability

Ordering Information

Corning patch cords and pigtails can be ordered in five easy steps. The steps involve the selection of connector(s), fiber count, fiber type, cable type, and length. The steps are listed below.



1 Select first connector code.

See Table A

2 Select second connector code.

See Table A

3 Select fiber count.

01 Simplex
02 Duplex

4 Select cable code based on desired construction.

See Table B

5 Select cable assembly length.

001-199

See Note 3

6 Defines unit of measure.

M = Meters

Notes:

1) Select connector code based on the type of adapter used at the patch panel and the electronic interface connector.

A) Always use the lowest code first when constructing the part number; numbers go before letters.

B) Letter codes follow alphabetical order.

C) Pigtails begin with "00".

Examples:

L005801G413101.5M

L224401J3116004M

2) Pigtails 900 μ m are also available in kits of 12 pieces with the following fiber and buffer colors:

Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Turquoise

Part number scheme to be used:

LK12- (1) (2) (3) (4) AA (5) (6)

Example: LK12-000201G4131AA002M

3) For lengths greater than 200 m please contact Corning Customer Care at +1 800 743 2675 or CCSAmericas@corning.com

4) To include half-meter steps, add .5 m

Example L585801J213102.5M

5) Standard boot length approximately 30 mm, short boot length approximately 18 mm

Table A: Connector Types and Specifications

Single-Mode Connectors						
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing
Pigtail	-	00	-	-	-	-
LC Types						
LC Simplex	APC	22	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	02	≤ 0.25	≤ -45	Ceramic	Composite
LC Duplex	APC	18	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	04	≤ 0.25	≤ -45	Ceramic	Composite
LC Simplex (short boot)	APC	BD	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	SD	≤ 0.25	≤ -45	Ceramic	Composite
LC Duplex (short boot)	APC	BF	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	SF	≤ 0.25	≤ -45	Ceramic	Composite
SC Types						
SC Simplex	APC	44	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	58	≤ 0.25	≤ -45	Ceramic	Composite
SC Duplex	APC	66	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	72	≤ 0.25	≤ -45	Ceramic	Composite
SC Simplex (short boot)	APC	B4	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	S8	≤ 0.25	≤ -45	Ceramic	Composite
SC Duplex (short boot)	APC	B6	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	S2	≤ 0.25	≤ -45	Ceramic	Composite
Other Types						
FC	APC	21	≤ 0.25	≤ -60	Ceramic	Composite
	UPC	54	≤ 0.25	≤ -45	Ceramic	Composite
ST*	UPC	61	≤ 0.25	≤ -45	Ceramic	Composite

Connector designs comply with IEC 61754-2 (ST), IEC 61754-4 (SC), IEC 61754-13 (FC), IEC 61754-20 (LC)

Durability According to IEC 61300-2-2: < 0.2 db change. Matings: 500

Tensile strength according to IEC 61300-2-4: 5N for 900 µm pigtails; 50N for patch cords up to 2.0 mm

Max insertion loss based on 97th percentile of random mate attenuation measurement according to IEC 61300-3-34

Multimode Connectors						
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing
Pigtail	-	00	-	-	-	-
LC Types						
LC Simplex	PC	03	≤ 0.60	≤ -40	Ceramic	Composite
LC Duplex	PC	05	≤ 0.60	≤ -40	Ceramic	Composite
LC Simplex (short boot)	PC	SE	≤ 0.60	≤ -40	Ceramic	Composite
LC Duplex (short boot)	PC	SG	≤ 0.60	≤ -40	Ceramic	Composite
SC Types						
SC Simplex	PC	39	≤ 0.60	≤ -40	Ceramic	Composite
SC Duplex	PC	57	≤ 0.60	≤ -40	Ceramic	Composite
SC Simplex (short boot)	PC	S9	≤ 0.60	≤ -40	Ceramic	Composite
SC Duplex (short boot)	PC	S7	≤ 0.60	≤ -40	Ceramic	Composite
Other Types						
FC	PC	17	≤ 0.60	≤ -40	Ceramic	Composite
ST*	PC	50	≤ 0.60	≤ -40	Ceramic	Composite

Connector designs comply with IEC 61754-2 (ST), IEC 61754-4 (SC), IEC 61754-13 (FC), IEC 61754-20 (LC)

Durability According to IEC 61300-2-2: < 0.2 db change. Matings: 500

Tensile strength according to IEC 61300-2-4: 5N for 900 µm pigtails; 50N for patch cords up to 2.0 mm

Max insertion loss based on 97th percentile of random mate attenuation measurement according to IEC 61300-3-34

Table B: Cable Diameters and Fiber Types

Core Diameter	50 µm	50 µm	50 µm	9 µm	9 µm	9 µm
Fiber Type/Class	OM3	OM4	OM5	Corning® SMF-28® Ultra	Corning® ClearCurve® LBL	ClearCurve ZBL
Fiber Code	T	Q	V	G	J	U
900 µm Buffered Fiber						
0.9 mm	T4180	Q4190	V4190	G4131	J4131	U4131
Cable Jacket Color	Aqua	Aqua	Lime Green	Yellow	Yellow	Yellow
1-Fiber Simplex OFNR						
1.2 mm					J3112	U3112
1.6 mm	T3116	Q3116	V3116	G3116	J3116	U3116
2.0 mm	T2180	Q2190	V2190	G2131	J2131	U2131
Cable Jacket Color	Aqua	Aqua	Lime Green	Yellow	Yellow	Yellow
2-Fiber Duplex OFNR						
Zipcord 1.6 mm	T5116	Q5116	V5116	G5116	J5116	U5116
Zipcord 2.0 mm	T5120	Q5120	V5120	G5120	J5120	U5120
Cable Jacket Color	Aqua	Aqua	Lime Green	Yellow	Yellow	Yellow

Connectorized Cable Characteristics

Characteristic	Cable Diameter	
	900 µm	1.2-2.0 mm
Operating Temperature	-10°C to 60°C	-10°C to 60°C
Bend Radius (Single-Mode)	15 mm	10 mm
Bend Radius (Multimode)	15 mm	10 mm
Crush Resistance	N/A	300N/10 cm




Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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. © 2022, 2024s Corning Optical Communications. All rights reserved. LAN-3032-AEN / February 2024