



Cable assemblies are a basic component for any network infrastructure projects you may have. The performance of our patch cords and pigtails comply with the optical and mechanical requirements of the industry. They are available in 1- and 2-fibre combinations. Corning's pre-terminated assemblies use only high-quality Corning optical fibres to ensure total performance quality.



## Table A: Connector Types and Specifications

Single-Mode Connectors							
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing	Connector Length (mm)
Pigtail	-	00	-	-	-	-	-
<b>LC Types</b>							
LC Simplex	APC	22	≤ 0.25	≤ -60	Ceramic	Composite	50
	UPC	02	≤ 0.25	≤ -45	Ceramic	Composite	50
LC Duplex	APC	18	≤ 0.25	≤ -60	Ceramic	Composite	50
	UPC	04	≤ 0.25	≤ -45	Ceramic	Composite	50
Uniboot LC*	APC	UA	≤ 0.25	≤ -60	Ceramic	Composite	62
	UPC	UU	≤ 0.25	≤ -45	Ceramic	Composite	62
Uniboot LC* (pull-tab)	APC	PA	≤ 0.25	≤ -60	Ceramic	Composite	76
	UPC	PU	≤ 0.25	≤ -45	Ceramic	Composite	76
LC Simplex (flex angle boot)	APC	FD	≤ 0.25	≤ -60	Ceramic	Composite	58.8
	UPC	AD	≤ 0.25	≤ -45	Ceramic	Composite	58.8
LC Duplex (flex angle boot)	APC	FF	≤ 0.25	≤ -60	Ceramic	Composite	58.8
	UPC	AF	≤ 0.25	≤ -45	Ceramic	Composite	58.8
LC Simplex (short boot)	APC	BD	≤ 0.25	≤ -60	Ceramic	Composite	38.1
	UPC	SD	≤ 0.25	≤ -45	Ceramic	Composite	38.1
LC Duplex (short boot)	APC	BF	≤ 0.25	≤ -60	Ceramic	Composite	38.1
	UPC	SF	≤ 0.25	≤ -45	Ceramic	Composite	38.1
<b>SC Types</b>							
SC Simplex	APC	44	≤ 0.25	≤ -60	Ceramic	Composite	57
	UPC	58	≤ 0.25	≤ -45	Ceramic	Composite	57
SC Duplex	APC	66	≤ 0.25	≤ -60	Ceramic	Composite	57
	UPC	72	≤ 0.25	≤ -45	Ceramic	Composite	57
SC Simplex (shuttered)	APC	XA	≤ 0.25	≤ -60	Ceramic	Composite	53
	UPC	XU	≤ 0.25	≤ -45	Ceramic	Composite	53
Uniboot SC*	APC	YA	≤ 0.25	≤ -60	Ceramic	Composite	63.3
	UPC	YU	≤ 0.25	≤ -45	Ceramic	Composite	63.3
SC Simplex (short boot)	APC	B4	≤ 0.25	≤ -60	Ceramic	Composite	49
	UPC	S8	≤ 0.25	≤ -45	Ceramic	Composite	49
SC Duplex (short boot)	APC	B6	≤ 0.25	≤ -60	Ceramic	Composite	49
	UPC	S2	≤ 0.25	≤ -45	Ceramic	Composite	49
<b>Other Types</b>							
FC	APC	21	≤ 0.25	≤ -60	Ceramic	Metal	41.1
	UPC	54	≤ 0.25	≤ -45	Ceramic	Metal	41.1
ST*	UPC	83	≤ 0.25	≤ -45	Ceramic	Metal	60
LSA/DIN	APC	29	≤ 0.25	≤ -60	Ceramic	Metal	57
	UPC	28	≤ 0.25	≤ -45	Ceramic	Metal	57
LSH	APC	LA	≤ 0.25	≤ -60	Ceramic	Composite	64.2
	UPC	LU	≤ 0.25	≤ -45	Ceramic	Composite	64.2
MU	APC	88	≤ 0.25	≤ -60	Ceramic	Composite	49.4
	UPC	85	≤ 0.25	≤ -45	Ceramic	Composite	49.4

Connector designs comply with IEC 61754-2 (ST), IEC 61754-3 (LSA), IEC 61754-4 (SC), IEC 61754-13 (FC), IEC 61754-15 (LSH), IEC 61754-20 (LC)

Durability according to FOTP-21: < 0.2 dB change. Matings: 1000 for SC; 500 for LC connectors

Tensile strength according to IEC 61300-2-4:|5N for 900 µm pigtails; 50N for patch cords up to 3.0 mm

\*Polarity not reversible

## Table A: Connector Types and Specifications

Multimode Connectors							
Type	Connector Polish	Code	Maximum Insertion Loss (dB)	Maximum Reflectance (dB)	Ferrule	Housing	Connector Length (mm)
Pigtail	-	00	-	-	-	-	-
<b>LC Types</b>							
LC Simplex	UPC	03	≤ 0.60	≤ -40	Ceramic	Composite	50
LC Duplex	UPC	05	≤ 0.60	≤ -40	Ceramic	Composite	50
Uniboot LC*	UPC	UM	≤ 0.60	≤ -40	Ceramic	Composite	62
Uniboot LC* (pull-tab)	UPC	PM	≤ 0.60	≤ -40	Ceramic	Composite	76
LC Simplex (flex angle boot)	UPC	AE	≤ 0.60	≤ -40	Ceramic	Composite	58.8
LC Duplex (flex angle boot)	UPC	AG	≤ 0.60	≤ -40	Ceramic	Composite	58.8
LC Simplex (short boot)	UPC	SE	≤ 0.60	≤ -40	Ceramic	Composite	38.1
LC Duplex (short boot)	UPC	SG	≤ 0.60	≤ -40	Ceramic	Composite	38.1
<b>SC Types</b>							
SC Simplex	UPC	39	≤ 0.60	≤ -40	Ceramic	Composite	57
SC Duplex	UPC	57	≤ 0.60	≤ -40	Ceramic	Composite	57
Uniboot SC*	UPC	YM	≤ 0.60	≤ -40	Ceramic	Composite	63.3
SC Simplex (short boot)	UPC	S9	≤ 0.60	≤ -40	Ceramic	Composite	49
SC Duplex (short boot)	UPC	S7	≤ 0.60	≤ -40	Ceramic	Composite	49
<b>Other Types</b>							
FC	UPC	17	≤ 0.60	≤ -40	Ceramic	Metal	41.1
ST*	UPC	74	≤ 0.60	≤ -40	Ceramic	Metal	60
LSH	UPC	LM	≤ 0.60	≤ -40	Ceramic	Composite	64.2
MU	UPC	84	≤ 0.60	≤ -40	Ceramic	Composite	49.4

Connector designs comply with IEC 61754-2 (ST), IEC 61754-3 (LSA), IEC 61754-4 (SC), IEC 61754-13 (FC), IEC 61754-15 (LSH), IEC 61754-20 (LC)

Durability according to FOTP-21: < 0.2 dB change. Matings: 1000 for SC; 500 for LC connectors

Tensile strength according to IEC 61300-2-4: | 5N for 900 µm pigtails; 50N for patch cords up to 2.8 mm

\*Polarity not reversible

## Table B: Cable Diameters and Fibre Types

Core Diameter	62.5 µm	50 µm	50 µm	50 µm	50 µm	50 µm	9 µm	9 µm	9 µm	9 µm
Fibre Name	InfiniCor™ 300	Corning® ClearCurve®	ClearCurve	ClearCurve	ClearCurve	ClearCurve	Corning® SMF-28® Ultra	ClearCurve LBL	ClearCurve LBL	ClearCurve ZBL
Fibre Type/Class	OM1	OM2	OM3	OM4	OM4	OM5	G.657.A1	G.657.A2	G.657.A2	G.657.B3
Fibre Code	K	B	T	Q	Q	V	G	J	J	U
<b>900 µm Buffered Fibre</b>										
0.9 mm: TB Easy Strip (150 cm)	K1Z09	B1Z09	T1Z09	Q1Z09	Q1Z09-VI	V1Z09	G1Z09	J1Z09	J1Z09-YE	U1Z09
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>1-Fibre Simplex PVC Clear Track Cable***</b>										
0.9 mm								JCT09		UCT09
<b>1-Fibre Simplex LSZH™/FRNC Cable</b>										
1.2 mm	K1Z12	B1Z12	T1Z12	Q1Z12	Q1Z12-VI	V1Z12	G1Z12	J1Z12	J1Z12-YE	U1Z12
1.6 mm	K1Z16	B1Z16	T1Z16	Q1Z16	Q1Z16-VI	V1Z16	G1Z16	J1Z16	J1Z16-YE	U1Z16
1.8 mm	K1Z18	B1Z18	T1Z18	Q1Z18	Q1Z18-VI	V1Z18	G1Z18	J1Z18	J1Z18-YE	U1Z18
2.0 mm	K1Z20	B1Z20	T1Z20	Q1Z20	Q1Z20-VI	V1Z20	G1Z20	J1Z20	J1Z20-YE	U1Z20
2.4 mm	K1Z24	B1Z24	T1Z24	Q1Z24	Q1Z24-VI	V1Z24	G1Z24	J1Z24	J1Z24-YE	U1Z24
2.8 mm	K1Z28	B1Z28	T1Z28	Q1Z28	Q1Z28-VI	V1Z28	G1Z28	J1Z28	J1Z28-YE	U1Z28
3.0 mm	K1Z30	B1Z30	T1Z30	Q1Z30	Q1Z30-VI	V1Z30	G1Z30	J1Z30	J1Z30-YE	U1Z30
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>1-Fibre Simplex LSZH/FRNC Cable for Extended Temperatures, From -40°C to +80°C</b>										
1.2 mm	K1C12	B1C12	T1C12	Q1C12	Q1C12-VI	V1C12	G1C12	J1C12	J1C12-YE	U1C12
1.6 mm	K1C16	B1C16	T1C16	Q1C16	Q1C16-VI	V1C16	G1C16	J1C16	J1C16-YE	U1C16
1.8 mm	K1C18	B1C18	T1C18	Q1C18	Q1C18-VI	V1C18	G1C18	J1C18	J1C18-YE	U1C18
2.0 mm	K1C20	B1C20	T1C20	Q1C20	Q1C20-VI	V1C20	G1C20	J1C20	J1C20-YE	U1C20
2.4 mm	K1C24	B1C24	T1C24	Q1C24	Q1C24-VI	V1C24	G1C24	J1C24	J1C24-YE	U1C24
2.8 mm	K1C28	B1C28	T1C28	Q1C28	Q1C28-VI	V1C28	G1C28	J1C28	J1C28-YE	U1C28
3.0 mm	K1C30	B1C30	T1C30	Q1C30	Q1C30-VI	V1C30	G1C30	J1C30	J1C30-YE	U1C30
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>1-Fibre Simplex LSZH/FRNC Cable with Steel-Armouring for Harsh Environments</b>										
2.0 mm	K1A20	B1A20	T1A20	Q1A20	Q1A20-VI	V1A20	G1A20	J1A20	J1A20-YE	U1A20
3.0 mm	K1A30	B1A30	T1A30	Q1A30	Q1A30-VI	V1A30	G1A30	J1A30	J1A30-YE	U1A30
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>1-Fibre Simplex LSZH/FRNC Cable for Outdoor Use (Steel-Armouring, UV-Resistance, Waterblocking Elements)</b>										
2.0 mm	K1U20	B1U20	T1U20	Q1U20		V1U20	G1U20	J1U20		U1U20
3.0 mm	K1U30	B1U30	T1U30	Q1U30		V1U30	G1U30	J1U30		U1U20
Cable Jacket Colour	Black	Black	Black	Black		Black	Black	Black		Black

\*Heather Violet jacket colour for OM4 is available by adding “-VI” to the end of the part number (example: F050502Q2Z20001M-VI)

\*\*Yellow jacket colour for LBL is available by adding “-YE” to the end of the part number (example: F444401J1Z20001M-YE)

\*\*\*Cable jacket colour is transparent

## Table B: Cable Diameters and Fibre Types (Continued)

Core Diameter	62.5 µm	50 µm	50 µm	50 µm	50 µm	50 µm	9 µm	9 µm	9 µm	9 µm
Fibre Name	InfiniCor™ 300	Corning® ClearCurve®	ClearCurve	ClearCurve	ClearCurve	ClearCurve	Corning® SMF-28® Ultra	ClearCurve LBL	ClearCurve LBL	ClearCurve ZBL
Fibre Type/Class	OM1	OM2	OM3	OM4	OM4	OM5	G.657.A1	G.657.A2	G.657.A2	G.657.A2
Fibre Code	K	B	T	Q	Q	V	G	J	J	U
<b>2-Fibre Duplex LSZH™/FRNC Cable</b>										
Uniboot 1.6 mm	KNZ16	BNZ16	TNZ16	QNZ16	QNZ16-VI	VNZ16	GNZ16	JNZ16	JNZ16-YE	UNZ16
Uniboot 2.0 mm	KNZ20	BNZ20	TNZ20	QNZ20	QNZ20-VI	VNZ20	GNZ20	JNZ20	JNZ20-YE	UNZ20
Zipcord 1.6 mm	K2Z16	B2Z16	T2Z16	Q2Z16	Q2Z16-VI	V2Z16	G2Z16	J2Z16	J2Z16-YE	U2Z16
Zipcord 1.8 mm	K2Z18	B2Z18	T2Z18	Q2Z18	Q2Z18-VI	V2Z18	G2Z18	J2Z18	J2Z18-YE	U2Z18
Zipcord 2.0 mm	K2Z20	B2Z20	T2Z20	Q2Z20	Q2Z20-VI	V2Z20	G2Z20	J2Z20	J2Z20-YE	U2Z20
Zipcord 3.0 mm	K2Z30	B2Z30	T2Z30	Q2Z30	Q2Z30-VI	V2Z30	G2Z30	J2Z30	J2Z30-YE	U2Z30
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>2-Fibre Duplex LSZH/FRNC Cable for Extended Temperatures, From -40°C to +80°C</b>										
Uniboot 1.6 mm	KNC16	BNC16	TNC16	QNC16	QNC16-VI	VNC16	GNC16	JNC16	JNC16-YE	UNC16
Uniboot 2.0 mm	KNC20	BNC20	TNC20	QNC20	QNC20-VI	VNC20	GNC20	JNC20	JNC20-YE	UNC20
Zipcord 1.6 mm	K2C16	B2C16	T2C16	Q2C16	Q2C16-VI	V2C16	G2C16	J2C16	J2C16-YE	U2C16
Zipcord 1.8 mm	K2C18	B2C18	T2C18	Q2C18	Q2C18-VI	V2C18	G2C18	J2C18	J2C18-YE	U2C18
Zipcord 2.0 mm	K2C20	B2C20	T2C20	Q2C20	Q2C20-VI	V2C20	G2C20	J2C20	J2C20-YE	U2C20
Zipcord 3.0 mm	K2C30	B2C30	T2C30	Q2C30	Q2C30-VI	V2C30	G2C30	J2C30	J2C30-YE	U2C30
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>2-Fibre Duplex LSZH/FRNC Cable with Steel-Armouring for Harsh Environments</b>										
Zipcord 2.0 mm	K2A20	B2A20	T2A20	Q2A20	Q2A20-VI	V2A20	G2A20	J2A20	J2A20-YE	U2A20
Uniboot 2.0 mm	KNA20	BNA20	TNA20	QNA20	QNA20-VI	VNA20	GNA20	JNA20	JNA20-YE	UNA20
Cable Jacket Colour	Orange	Orange	Aqua	Aqua	Violet*	Lime Green	Yellow	White	Yellow**	White
<b>2-Fibre Duplex LSZH/FRNC Cable for Outdoor Use (Steel-Armouring, UV-Resistance, Waterblocking Elements)</b>										
Zipcord 2.0 mm	K2U20	B2U20	T2U20	Q2U20		V2U20	G2U20	J2U20		
Uniboot 2.0 mm	KNU20	BNU20	TNU20	QNU20		VNU20	GNU20	JNU20		
Cable Jacket Colour	Black	Black	Black	Black		Black	Black	Black		

\*Heather Violet jacket colour for OM4 is available by adding “-VI” to the end of the part number (example: F050502Q2Z20001M-VI)

\*\*Yellow jacket colour for LBL is available by adding “-YE” to the end of the part number (example: F444401J2Z20001M-YE)

## Connectorised Cable Characteristics

Characteristic	Cable Diameter		
	900 µm	1.2 – 1.8 mm	2.4 – 3.0 mm
Operating Temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Bend Radius Installation*	15 mm	15 mm	15 mm
Bend Radius Operation**	7.5 mm	7.5 mm	7.5 mm
Crush Resistance Short-term	N/A	300N/10 cm	1000N/10 cm
Crush Resistance Long-term	N/A	100N/10 cm	300N/10 cm

The cable jacket of our basic patch cords and pigtailed is REACH, RoHS, and LSZH compliant (except Clear Track)

\*Bend radius installation for Ultra is 20 mm and ZBL is 10 mm

\*\*Bend radius operation for Ultra is 10 mm and ZBL is 5 mm



## Notes



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