Cable Assemblies

Features and Benefits

Flame-retardant jacket
Rugged and durable

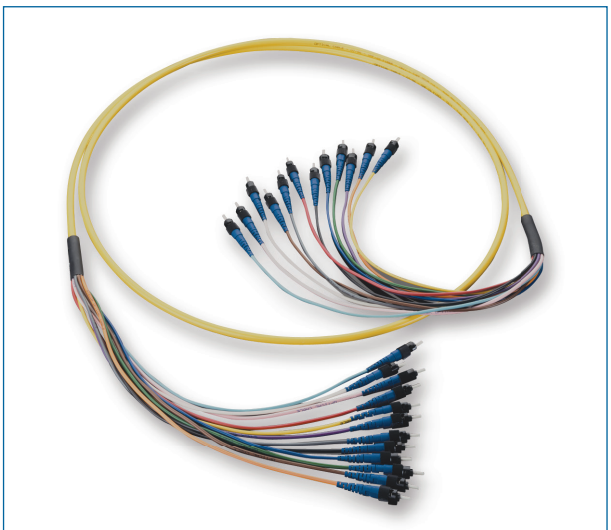
Superior Performance Testing
Every termination is tested to ensure the highest in network performance

State-Of-The-Art Manufacturing Processes
Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency

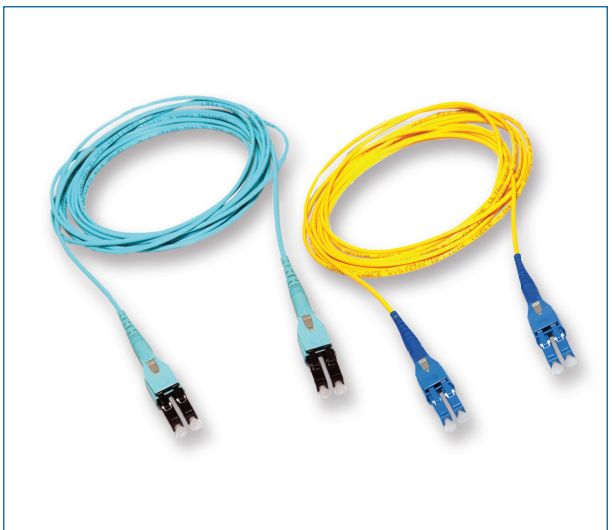
Corning advantage
Integrated developer and manufacturer of cable, connectors and fiber to ensure overall cable assembly performance

Corning offers the most complete line of connectors and factory-terminated cables, from single-fiber patch cords to high-fiber-count assemblies. As the industry's leading supplier of cable assemblies, Corning's state-of-the-art manufacturing process ensures unsurpassed connector performance with products that meet or exceed all industry standards for reflectance and insertion loss. Highly trained and qualified associates thoroughly inspect the incoming fibers and ferrules, assemble and polish them using a carefully monitored and controlled process. The assemblies undergo rigorous performance testing to ensure optimal quality in every connector.

Corning's preterminated assemblies use only high-quality Corning optical fibers to ensure total performance quality.



ST Compatible Ultra PC 12-Fiber Cable Assembly
| Photo LAN2784



EDGE Reverse Polarity Uniboots
| Photo LAN2217-2218

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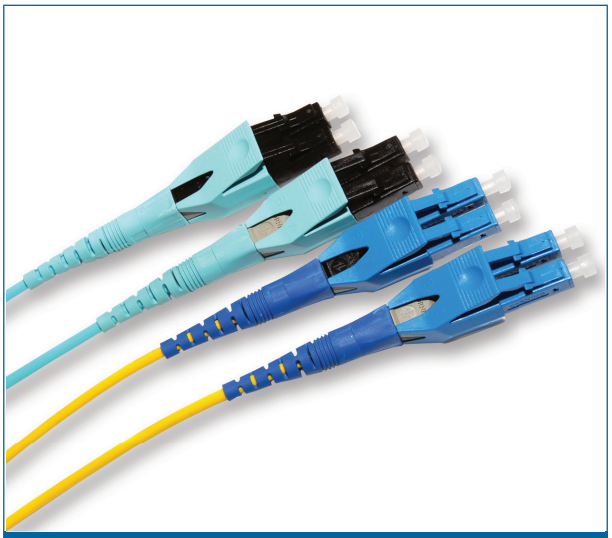
Reverse Polarity Uniboot Duplex Jumpers

EDGE™ Reverse Polarity Uniboot Duplex Jumpers allow for the quick and easy conversion from a TIA-568 A-B polarity to a TIA-568 A-A polarity without exposing the fibers or needing any tools. This jumper comes with a straight-through polarity from the factory, but you can convert it to a flipped jumper with no tools. This uniboot design allows one cable to carry both fibers, reducing jumper bulk when routing.



Reverse Polarity Uniboot Duplex Jumpers
| Photo LAN2223

Features

- Slim round 2-fiber interconnect cable
- Uniboot style duplex connectors
- Improved handling in high-density applications
- Low-loss connectivity enables system design flexibility
- Enabled by bend-insensitive Corning® ClearCurve® mulitmode or SMF-28e® Ultra single-mode fibers
- Designed to withstand tight bends and challenging cable routes

LC Uniboot Patch Cord Specifications

Connector	Connector Code	Max. Attentuation (dB)	Return Loss (dB)
MM LC Uniboot	79	0.5	≤26
SM LC Uniboot	78	0.5	≤55

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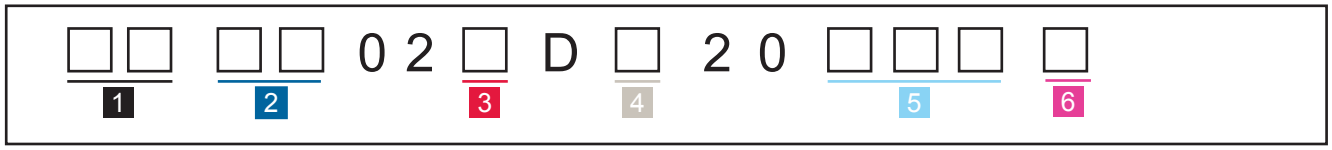
Ordering Information



1 Select connector one type.
- 79 = Multimode LC Uniboot (OM3/OM4)
- 78 = Single-mode LC UPC Uniboot (OS2)

2 Select connector two type.
- 79 = Multimode LC Uniboot (OM3/OM4)
- 78 = Single-mode LC UPC Uniboot (OS2)

3 Select fiber type.
- T = 50 µm multimode (OM3)
- Q = 50 µm multimode (OM4)
- V = 50 µm wideband multimode (OM5)
- G = Single-mode Ultra (OS2)

4 Select flame rating.
- 1 = Riser
- 8 = Plenum

5 Select length.
- 001-250 (tip-to-tip)

6 Select unit of measure.
- F = Feet
- M = Meters

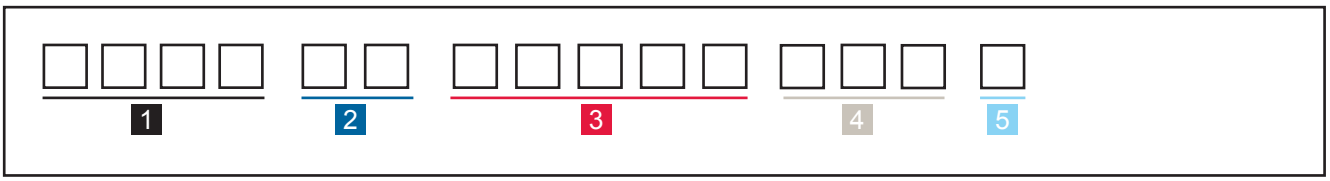
Cable Assemblies

Cable Assembly Ordering Matrix

Corning jumpers and high-fiber-count assemblies are ordered using five easy steps. The steps involve the selection of connector(s), fiber count, fiber type, cable, length and unit of measure. The format/steps are listed below.

Note: Begin with smallest connector code.

Ordering Information



1 Select connector code.

00 = No connectors (use when ordering a pigtail)

Multimode

03 = LC simplex PC*
05 = LC duplex PC*
39 = SC simplex PC
50 = ST compatible PC
57 = SC duplex PC

Single-mode

02 = LC ultra PC simplex*
04 = LC ultra PC duplex*
22 = LC angled PC simplex*
44 = SC angled PC simplex
58 = SC ultra PC simplex
61 = ST compatible ultra PC
72 = SC ultra PC duplex

See Notes 1 and 2.

2 Select fiber count.

01	24
02	36
04	48
06	72
08	96
12	144 (E4)

See Note 3.

3 Select cable code based on construction and fiber type.

See Table A.

4 Select cable assembly length.

001-999 (tip to tip)

See Note 4.

5 Select unit of measure.

M = Meters
F = Feet

Notes:
1) Select connector code based on type of adapter used at the patch panel and the electronic interface connector. Always use the lowest code first when constructing the part number.
2) Available on 1.6, 2.0 mm and 900 µm cable types only (*).
3) For fiber counts greater than 96, contact a Corning Customer Care Representative.
4) For lengths greater than 999, contact a Corning Customer Care Representative.

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Connector specifications |

Multimode Connectors

Type	Code	Typical Insertion Loss (dB) 50/125 µm 62.5/125 µm	Max. Insertion Loss (dB) 50/125 µm 62.5/125 µm	Ferrule	Housing
LC PC Simplex	03	0.35	0.5	Ceramic	Composite
LC PC Duplex	05	0.35	0.5	Ceramic	Composite
SC PC Simplex	39	0.35	0.5	Ceramic	Composite
SC PC Duplex	57	0.35	0.5	Ceramic	Composite
ST Compatible PC	50	0.35	0.5	Ceramic	Composite

Single-mode Connectors

Type	Code	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Typical Reflectance (dB)	Ferrule	Housing
LC Simplex UPC	02	0.15	0.25	≤ -58	Ceramic	Composite
LC Duplex UPC	04	0.15	0.25	≤ -59	Ceramic	Composite
LC Duplex APC	18	0.15	0.25	≤ -65	Ceramic	Composite
LC Simplex APC	22	0.15	0.25	≤ -65	Ceramic	Composite
SC Simplex UPC	58	0.15	0.25	≤ -58	Ceramic	Composite
SC Duplex UPC	72	0.15	0.25	≤ -59	Ceramic	Composite
SC Simplex APC	44	0.15	0.25	≤ -65	Ceramic	Composite
SC Duplex APC	66	0.15	0.25	≤ -65	Ceramic	Composite
ST Compatible UPC	61	0.15	0.40	≤ -58	Ceramic	Composite

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Cable Assemblies

Cable Table

Table A								
Fiber Type				62.5 µm (OM1)	50 µm (OM3)	50 µm (OM4)	SMF-28e	SMF ClearCurve
Cable Listing: No Listing Required								
900 µm				K4130	T4180	Q4190	R4131	
Indoor Cable	Fiber Count	Flame Rating	Leg Length/OD	Orange	Aqua	Aqua	Yellow	Yellow
Single-Fiber Cable (SFC)	1	Riser	1.6 mm	K3116	T3116	Q3116	R3116	G3116
Zipcord Cable	2	Riser	10 - 13” 2.0 mm	K5120	T5120	Q5120	R5120	G5120
MIC Cable	4, 6, 8, 12	Riser	39” 2.0 mm	K8120	T8120	Q8120	R8120	G8120
MIC Cable	24, 72, 144	Riser	39” 2.0 mm	K8120	T8120	Q8120	R8120	G8120
Zipcord Cable	2	Plenum	10 - 13” 2.0 mm	K5820	T5820	Q5820	R5820	G5820
MIC Cable	12	Plenum	39” 2.0 mm	K8820	T8820	Q8820	R8820	G8820
MicroModule Cable (6-144 fiber)	6 - 144	Plenum	39” 2.0 mm		TD920	QD920		GD920
MicroModule w/grip on one end					TD9G2	QD9G2		GD9G2
MicroModule w/grip on both ends					TD9G4	QD9G4		GD9G4
Fiber Type				62.5 µm (OM1)	50 µm (OM3)	50 µm (OM4)	SMF-28e	SMF ClearCurve
Indoor/Outdoor Cable	Fiber Count	Flame Rating	Leg Length/OD	Black	Black	Black	Black	Black
FREEDM LT (12 & 24 Fiber)	12 & 24	Riser					RUF25*	
FREEDM One (6 & 12 Fiber)	6 & 12	Riser					R8F20	

RoHS COMPLIANT

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