

Part No. 000301T4Z80003M	Fiber Type OM3 Multimode	Connector LC/UPC Simplex	Buffer 900 µm Tight	Jacket LSZH	Length 3 m
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PRODUCT OVERVIEW

Corning® LC Simplex Fiber Optic Pigtails are factory-terminated single-fiber assemblies designed for high-quality, field-ready splicing in patch panels, splice trays, and distribution frames. Constructed with genuine Corning ClearCurve® OM3 laser-optimized multimode fiber, the 900 µm tight-buffered LSZH construction provides excellent mechanical protection and fire safety. One end carries a precision-polished LC UPC connector; the other end is a bare fiber ready for fusion or mechanical splicing to a trunk cable.

OPTICAL SPECIFICATIONS

Fiber Type	OM3 50/125 µm Multimode (LOMMF)
Fiber Standard	IEC 60793-2-10 Type A1a.2 (A1-OM3)
Core / Cladding	50 µm / 125 µm
Modal BW @ 850 nm	1,500 MHz-km (OFL) / 2,000 MHz-km (EMB)
Modal BW @ 1300 nm	500 MHz-km (OFL)
Attenuation @ 850 nm	≤ 3.0 dB/km
Attenuation @ 1300 nm	≤ 1.0 dB/km
Numerical Aperture	0.200 ± 0.015
Max Insertion Loss	≤ 0.4 dB (connector, mated pair)
Return Loss	≥ 26 dB (UPC/PC finish)

CONNECTOR SPECIFICATIONS

Connector Type	LC UPC Simplex (IEC 61754-20)
Ferrule Material	Zirconia Ceramic, 1.25 mm
Ferrule Polish	UPC — Ultra Physical Contact
Ferrule Concentricity	≤ 0.5 µm
Housing Color	Aqua (OM3 identification)
Mating Cycles	≥ 500 (per Telcordia GR-326)
Insertion Force	≤ 8.9 N
Extraction Force	≥ 8.9 N

CABLE & BUFFER SPECIFICATIONS

Buffer Construction	900 µm Tight-Buffered
Nominal OD	0.9 mm
Jacket Color	Aqua (per TIA-598-D, OM3)
Jacket Material	LSZH/FRNC — Low Smoke Zero Halogen
Flame Rating	IEC 60332-1 / Dca (CPR)
Min. Bend Radius	≥ 15 mm (installed / long-term)
Tensile Load	≤ 22 N (installation)
Crush Resistance	≥ 220 N/100 mm
Operating Temp.	-20°C to +70°C (-4°F to +158°F)
Storage Temp.	-40°C to +85°C

PIGTAIL CONSTRUCTION

Fiber Count	1 (Simplex)
Terminated End	LC UPC Simplex connector
Splice End	Bare fiber, ready for fusion/mech. splice
Glass Type	Corning ClearCurve® OM3 (BIF)
Color Coding	Per TIA-598-D / IEC 60304
Polarity	Straight-Through, TIA-568 Type-A
Total Length	3 m (tip-to-bare-end)

SUPPORTED APPLICATIONS

Application	Speed	Distance
10GBase-SR (IEEE 802.3ae)	10 Gb/s	300 m
40GBase-SR4 (IEEE 802.3ba)	40 Gb/s	100 m
100GBase-SR10 (IEEE 802.3ba)	100 Gb/s	100 m
1GBase-SX (IEEE 802.3z)	1 Gb/s	550 m
Fibre Channel 4/8/16G	Up to 16G	380 m

✓ Corning ClearCurve® OM3 bend-insensitive fiber	✓ 100% factory-tested — insertion loss & return loss	✓ Zirconia ceramic ferrule — low loss, high durability
✓ LSZH 900 µm tight buffer — safe for restricted spaces	✓ Bare end ready for fusion or mechanical splicing	✓ Aqua jacket — OM3 color-coded per TIA-598-D

STANDARDS & COMPLIANCE

IEC 60793-2-10	Multimode optical fiber — A1a.2 (OM3)	IEC 61754-20	LC connector interface standard
IEC 61300-3-4	Insertion loss measurement	Telcordia GR-326	Connector reliability & performance
IEC 60332-1	LSZH flame retardancy	TIA-568-C.3	Optical fiber cabling components
EU CPR Dca	Construction Products Regulation	RoHS 2011/65/EU	Restriction of hazardous substances

ORDERING INFORMATION

Part Number	Description	Connector	Fiber	Jacket	Length
000301T4Z80001M	LC OM3 Pigtail, 900 µm LSZH ClearCurve	LC UPC	OM3 50/125 µm	LSZH 900 µm	1 m
000301T4Z80002M	LC OM3 Pigtail, 900 µm LSZH ClearCurve	LC UPC	OM3 50/125 µm	LSZH 900 µm	2 m
000301T4Z80003M	LC OM3 Pigtail, 900 µm LSZH ClearCurve	LC UPC	OM3 50/125 µm	LSZH 900 µm	3 m
000301T4180001M	LC OM3 Pigtail, 900 µm Riser Standard	LC UPC	OM3 50/125 µm	Riser 900 µm	1 m
000301T4180003M	LC OM3 Pigtail, 900 µm Riser Standard	LC UPC	OM3 50/125 µm	Riser 900 µm	3 m

* Highlighted row (000301T4Z80003M) is the exact LSZH 3 m variant matching this datasheet.