

PRODUCT SPECIFICATION

OPTICAL FIBER CABLE ASSEMBLY

INTRODUCTION

LUX's high performance fiber patch cord offers interconnect and cross-connect over installations in entrance facilities, telecommunications rooms, data centers and at the desk. Patch cords support network applications in main, horizontal and equipment distribution areas with low smoke zero halogen (LSZH) rated jacket materials.

Pre-terminated fiber optic patch cords are available in OS1/OS2, OM1, OM2, OM3, OM4 & OM5, fiber types to meet the demands of Gigabit Ethernet, 10 Gigabit Ethernet and high-speed Fiber Channel.



CONSTRUCTION

Fiber count	Simplex (1-fiber) & Duplex (2-fibers)	
Cable Jacket ratings	Low Smoke Zero Halogen (LSZH) per: IEC 60332-1-2, IEC 60332-3-24, IEC60754-1, IEC 60754-2, IEC 61034-2	
Fiber type	Singlemode:	OS1/OS2 9/125µm
	Multimode:	OM1 62.5/125µm
		OM2 50/125µm
		OM3 50/125µm
		OM4 50/125µm
		OM5 50/125µm
Connector Type:	E2000, FC, LC, SC, ST	
Jacket Color	OS1/OS2:	Yellow
	OM1:	Orange
	OM2:	Orange
	OM3:	Aqua
	OM4:	Aqua/Violet
	OM5:	Lime Green

OPTICAL PROPERTIES

Connector Insertion loss:	0.3dB max. (OS1/OS2, OM1, OM2, OM3, OM4 & OM5)
Connector return loss:	20dB min. (OM1 and OM2) 26dB min. (OM3 and OM4) 50dB min. (OS1/OS2) 60dB min. (OS1/OS2 APC)

PHYSICAL PROPERTIES

Cable diameter (OD):	1.8/2.0/2.8/3.0 (mm)
Connector cable retention:	50N @ 0°C 19.4N @ 90°C
Connector durability:	500 cycles
Bend radius, minimum (long term):	IEC 60794-2-10

ENVIRONMENTAL PROPERTIES

Storage and shipment temperature:	-25°C to 70°C
Operating and Installation temperature:	-20°C to 60°C

STANDARDS

Meets or exceeds ISO/IEC 11801, TIA/EIA-568-D.3, TIA-604-3 (FOCIS-3), TIA-604-10 (FOCIS-10)

Restriction of Hazardous Substances (RoHS) Compliance:	All patch cord components meet the requirements of Directive 2002/95/EC.
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The information and specification in this document are subjected to change without notice

ORDERING PART NUMBER

Example: M3DLCPLCP003-XL = LC – LC OM3 Duplex Patch cord 3m (Standard Boot, 2.0mm cable)

Character	A	B	C	D	E	F	G	H	I	J	K	L	-	M	N
Example	S	M	S	F	C	U	F	C	U	0	0	1	-	X	L

AB – FIBER TYPE
SM = Singlemode (9/125µm)
M1 = OM1 (62.5/125µm)
M2 = OM2 (50/125µm)
M3 = OM3 (50/125µm)
M4 = OM4 (50/125µm)
M5 = OM5 (50/125µm)

C – Fibre Structure
S = Simplex
D = Duplex

DE – CONNECTOR TYPE
E2 = E2000
FC = FC
LC = LC
LU = LC Uniboot (Switchable)
SC = SC
ST = ST

F – POLISH TYPE
A = APC
P = PC
U = UPC

GH – CONNECTOR TYPE
E2 = E2000
FC = FC
LC = LC
LU = LC Uniboot (Switchable)
SC = SC
ST = ST

I – POLISH TYPE
A = APC
P = PC
U = UPC

JKL – LENGTH (M)
001 = 1 METER
002 = 2 METER
003 = 3 METER
005 = 5 METER
010 = 10 METER
015 = 15 METER
020 = 20 METER
025 = 25 METER
030 = 30 METER

M – BOOT TYPE
X = N/A (Standard)
F = FLEXIBOOT
S = SHORT BOOT
P = PULL TAB (LC Only)
H = PUSH & PULL TAB (LC Only)

N – CABLE O.D
K = 1.8mm
L = 2.0mm
M = 2.8mm
N = 3.0mm

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