

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

Connector

return loss:

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: Multimode:	OS1/OS2 9/125µm 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: OM1: OM2: OM3: OM4: OM5:	Yellow Orange Orange Aqua Aqua/Violet Lime Green	
OPTICAL PROPERTIES			
Connector Insertion loss:	Typical: 0.2dB (SM) & 0.1dB (MM) Max: 0.3dB (SM) & 0.2dB (MM)		

20dB min. (OM1/OM2)

50dB min. (OS1/OS2)

26dB min. (OM3/OM4/OM5)

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.

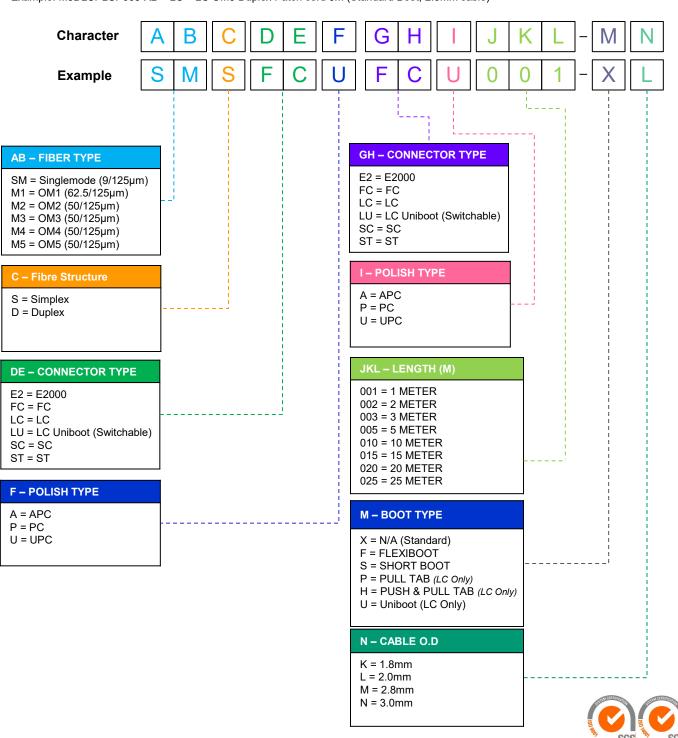


The information and specification in this document are subjected to change without notice



ORDERING PART NUMBER

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



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