



COMMUNICATIONS

Let's Get Connected

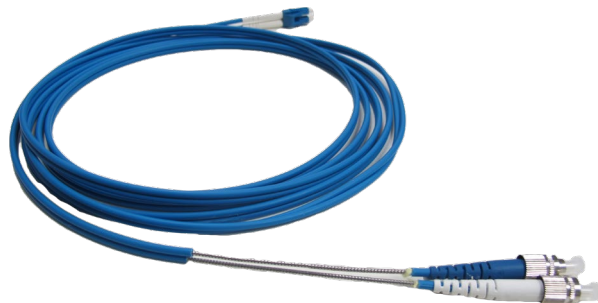
PRODUCT SPECIFICATION

ARMORED PATCH CORD

INTRODUCTION

LUX's armored patch cord contains a robust stainless-steel tube between fiber and the outer sheath. The stainless-steel tube provides extraordinary protection to the optical fiber inside the cable. This Armored Patch Cord is highly flexible and can be easily installed. The patch cord offers higher stability, durability and longer service life.

The optical performance of the armored patch cord is identical to conventional patch cables as all armored patch cords are factory pre-terminated by orders.



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, IEC 60754-1, 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:	Blue / Yellow
	OM1:	Grey
	OM2:	Grey
	OM3:	Aqua
	OM4:	Aqua / Violet
	OM5:	Lime Green
	<i>*Other color is available subject to MOQ</i>	

OPTICAL PROPERTIES

Connector Insertion loss	0.3dB max.
Connector return loss	≥26dB min. (OM1/OM2) ≥30dB min. (OM3/OM4/OM5) ≥50dB min. (OS1/OS2) ≥60dB min. (OS1/OS2 APC)

PHYSICAL PROPERTIES

Breakout diameter (OD)	2mm Simplex / Duplex 3mm Simplex / Duplex
Max. Tension:	300N (Long term) 150N (Short term)
Connector durability:	500 cycles
Bend radius, minimum (long term)	2mm: 40mm 3mm: 60mm

ENVIRONMENTAL PROPERTIES

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

REFERENCE STANDARDS

Meets and 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



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ORDERING PART NUMBER

Example: AMP-SMD2LDULDU010YL = Singlemode Duplex 2mm Armored patch cord, LC Duplex/ UPC to , LC Duplex/ UPC, 10 meters (Yellow)

Character	A	M	P	-	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Example	A	M	P	-	S	M	D	2	L	D	U	L	D	U	0	1	0	Y	L

AB – FIBER TYPE

M1 = OM1 (62.5/125µm)
M2 = OM2 (50/125µm)
M3 = OM3 (50/125µm)
M4 = OM4 (50/125µm)
M5 = OM5 (50/125µm)
SM = OS1/OS2 (9/125µm)

C – FIBER COUNT

S = 1 Fiber (Simplex)
D = 2 Fibers (Duplex)

D – CABLE OD

2 = 2.0mm
3 = 3.0mm

EF – CONNECTOR TYPE (A END)

E2 = E2000 (Simplex)
ED = E2000 (Duplex)
FC = FC
LC = LC Simplex
LD = LC Duplex
LU = LC Uniboot
SC = SC (Simplex)
SD = SC (Duplex)
ST = ST

G – POLISH TYPE

A = APC
P = PC
U = UPC

HI – CONNECTOR TYPE (B END)

E2 = E2000 (Simplex)
ED = E2000 (Duplex)
FC = FC
LC = LC Simplex
LD = LC Duplex
LC = LC Uniboot
SC = SC (Simplex)
SD = SC (Duplex)
ST = ST
NA = Pigtail type
(no connector on B end)

J – POLISH TYPE

A = APC
P = PC
U = UPC

KLM – LENGTH

005 = 5 meters
010 = 10 meters
300 = 300 meters

NO – JACKET COLOR

AQ = Aqua
EV = Violet
LG = Lime Green
OR = Orange
YL = Yellow
*** Color not mentioned above, please
check with us***

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