PRODUCT SPECIFICATION
BREAKOUT CABLE ASSEMBLY

INTRODUCTION

LUX's high performance Pre-Terminated Breakout Cable 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 breakout cables 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	From 4 core to 48 core
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: Yellow OM1: Orange OM2: Orange OM3: Aqua OM4: Aqua / Violet OM5: Lime Green

PHYSICAL PROPERTIES

Breakout diameter (OD)	2mm Simplex / Duplex 3mm Simplex / Duplex 900 micron
Connector cable retention:	50N @ 0°C 19.4N @ 90°C
Connector durability:	500 cycles
Bend radius, minimum (long term)	2mm: 40mm (Breakouts) 3mm: 60mm (Breakouts)

ENVIRONMENTAL PROPERTIES

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

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)

REFERENCE STANDARDS

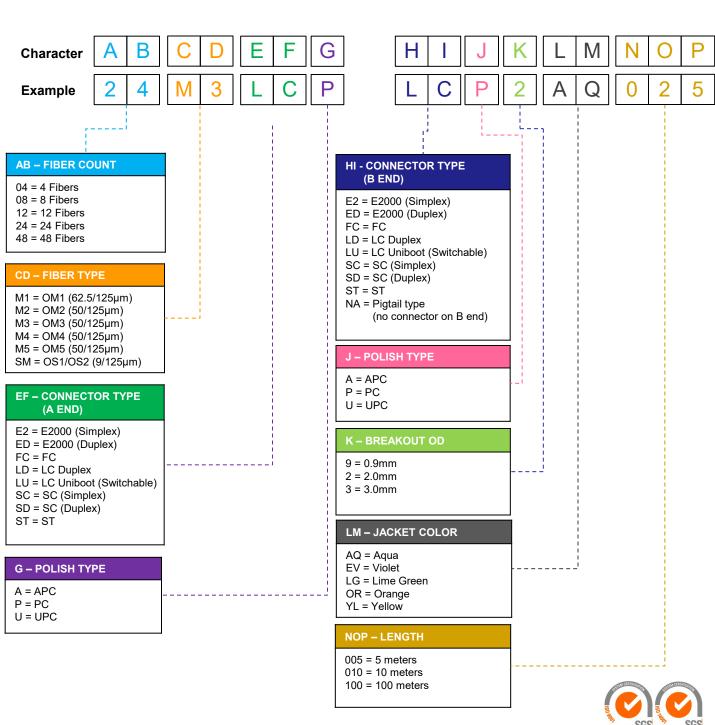|	
	Meets and exceeds ISO/IEC 11801, TIA/EIA-568-D.3, TIA-604-3 (FOCIS-3), TIA-604-10 (FOCIS-10)
Restriction of Hazardous Substances (RoHS) Compliance	All patch cord components meet the requirements of Directive 2002/95/EC.

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

ORDERING PART NUMBER

Example: 24M3LDPLDP2AQ025 = 24 core LC/PC to LC/PC Duplex OM3 Breakout Cable 25 meters Aqua (Breakout OD: 2.0mm)

Character	A	B	C	D	E	F	G		H	I	J	K	L	M	N	O	P
Example	2	4	M	3	L	C	P		L	C	P	2	A	Q	0	2	5

AB – FIBER COUNT

04 = 4 Fibers
08 = 8 Fibers
12 = 12 Fibers
24 = 24 Fibers
48 = 48 Fibers

CD – 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)

EF – CONNECTOR TYPE (A END)

E2 = E2000 (Simplex)
ED = E2000 (Duplex)
FC = FC
LD = LC Duplex
LU = LC Uniboot (Switchable)
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
LD = LC Duplex
LU = LC Uniboot (Switchable)
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

K – BREAKOUT OD

9 = 0.9mm
2 = 2.0mm
3 = 3.0mm

LM – JACKET COLOR

AQ = Aqua
EV = Violet
LG = Lime Green
OR = Orange
YL = Yellow

NOP – LENGTH

005 = 5 meters
010 = 10 meters
100 = 100 meters