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24 FIBER LM2 LC PIGTAIL CASSETTE

DESCRIPTION

The Pigtail Cassette is designed to provide an efficient and organized solution for fiber optic terminations and splicing. With a focus on convenience, flexibility, and minimizing disruption to existing infrastructure, it offers a range of benefits that make it an ideal choice for many fiber optic installations.

APPLICATION

The 24 Fiber LM2 LC Pigtail Cassette can be used in data centers and telecom networks with existing fiber trunks or new multifiber cable. It comes pre-loaded with 24 LC pigtails to be mounted in a fiber patch panel or rack for easy access. This setup allows for reduced splicing errors and faster deployment.

Construction	
Cable Type	Ribbon
	Tight Buffer
	Micro-Distribution
Cable Jacket Rating	Plenum
Fiber Types	OS2 Yellow
	OM4 Aqua
	OM5 Lime
Connector Types End "A"	LC
	LC APC
Connector Types End "B"	None
Fiber Count	24 Fiber (2x 12F cables)
Jacket Color	Yellow (OS2)
	Aqua (OM4)
	Lime (OM5)

Optical Properties	
Maximum Cable Attenuation	Multimode: 3.0dB (850nm) & 1.0dB (1300nm)
	Singlemode: 0.4db (1310nm) & 0.3db (1550nm) Loose Tube
	Singlemode: 0.4db (1310nm) & 0.3db (1550nm) Ribbon
	Singlemode: 0.7db (1310nm) & 0.7db (1550nm) Tight buffer
Maximum Connector Insertion loss	Max:.40dB (SM APC), .30dB (SM UPC), .30dB (MM PC)
	Typical:.10dB (SM APC), .10dB (SM UPC), .10dB (MM PC)
Maximum Connector Return loss	Multimode: -40dB
	Singlemode: -65dB (APC), -55dB (UPC)

Physical Properties	
Cable Outside Diameter (mm)	2.35 x 4.75 (Ribbon); 6.2 (TB); 3 (MD)
Cable Construction	Two Cables constructed using a single jacket design containing buffered fibers surrounded by Aramid yarn.
Minimum Bend Radius	10X Cable OD Operation/15X Cable OD Installation
Cable Tensile Strength (lbs)	25 Permanent/80 Dynamic
Connector Durability	TIA-568.3-E
Breakout Outside Diameter	900µm
Breakout Length (in)	8.5 to 12
Cassette Materials	Plastic

Environmental Properties	
Operating Temp	0°C to 70°C (32°F to 158°F)
Storage and Shipping Temp	-20°C to 70°C (-4°F to 158°F)
Installation Temp	0°C to 60°C (32°F to 140°F)

Standards	
List of Standards	TIA-568.3-E
	TIA-492AAAD, TIA-492AAAE, TIA-492CAAB
	ISO/IEC 11801, ITU-T G.657.A1
	IEC 60793-2-10: A1a.3b, IEC 60793-2-10: A1a.4b
	CSA C22.2 No. 232, NFPA 262, UL 1651
	RoHS

Standards	
List of Patents	10,591,682
	10,788,640

Configuration Fields: **LM2-** | BB | **Q24** | G | **-Z** | X | Y | LLL | M |

Example: **LM2-LCQ24J-ZT1001M**

Description: LM2, LC, QD, 24 Fiber, OS2, Pigtail Cassette, 900µm, 1M

Options:

"BB"	FRONT PANEL ADAPTER
LA	LC (APC)
LC	LC (UPC)

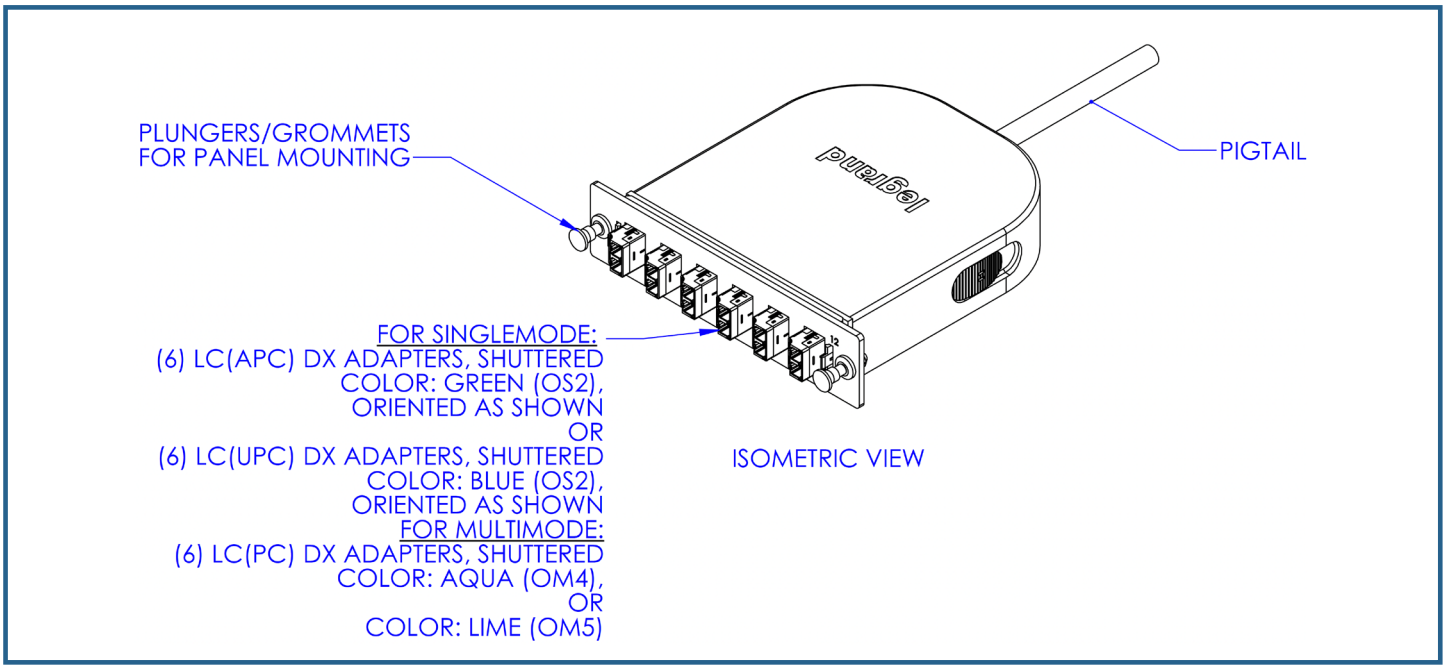
"G"	FIBER TYPE
H	MM 50/125 (OM4)
J	SM 9/125 (OS2)
W	MM 50/125 (OM5)

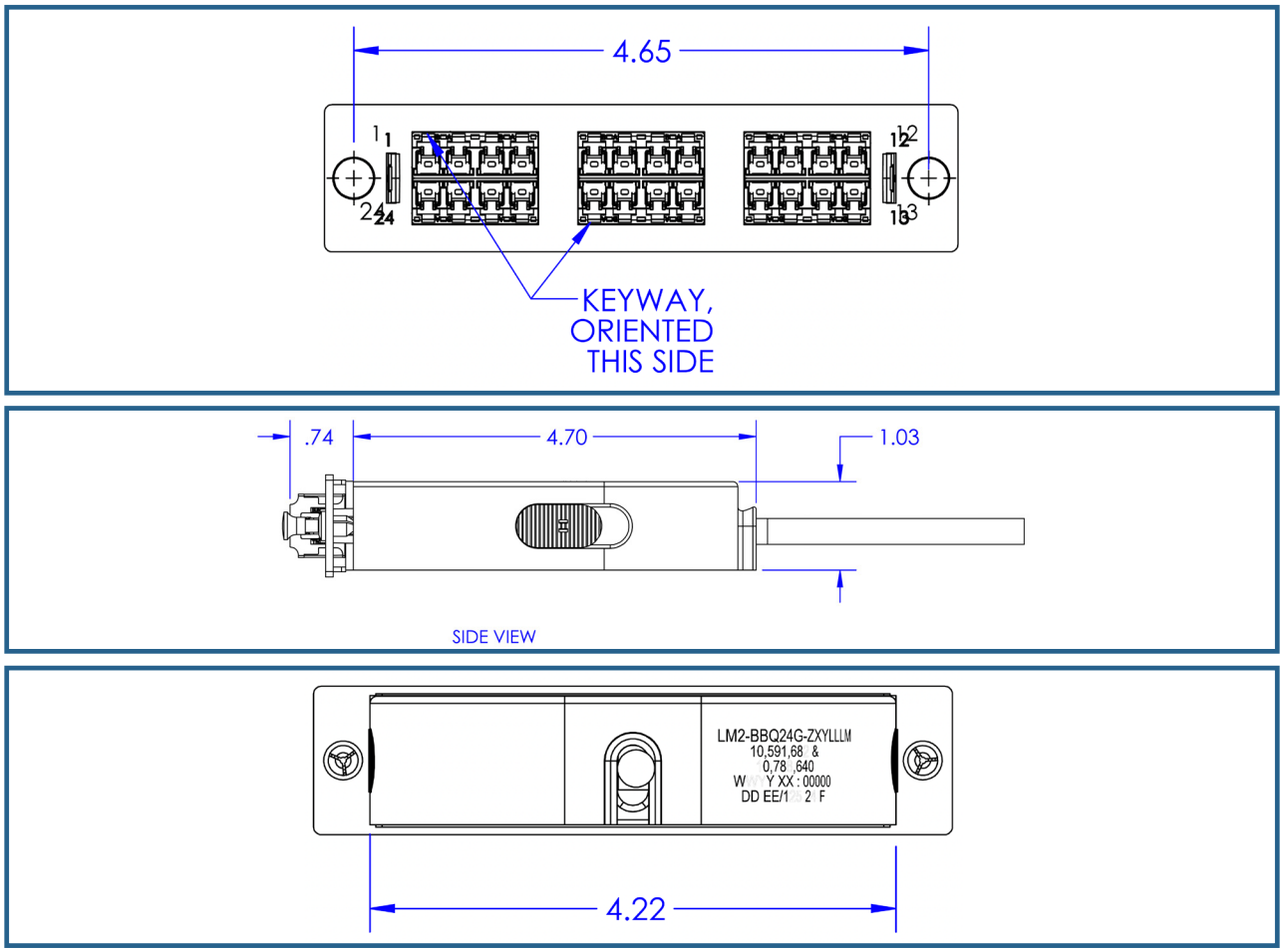
"X"	PIGTAIL TYPE
P	PIGTAIL 250µm RIBBON
T	PIGTAIL 900µm TIGHT BUFFER
U	PIGTAIL 250µm MICRO-DISTRIBUTION

"Y"	FIBER TIER
1	1

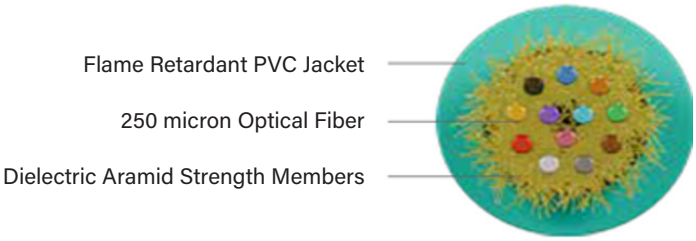
"LLL"	LENGTH

"M"	UNIT OF MEASURE
	Standard: 001M
	Customizable up to 45M

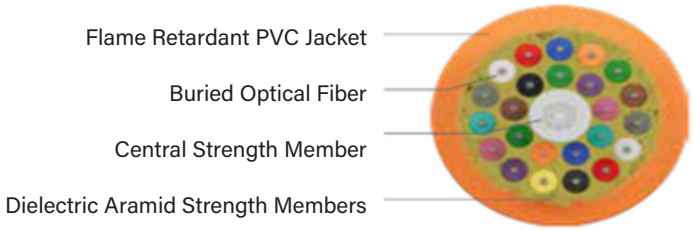




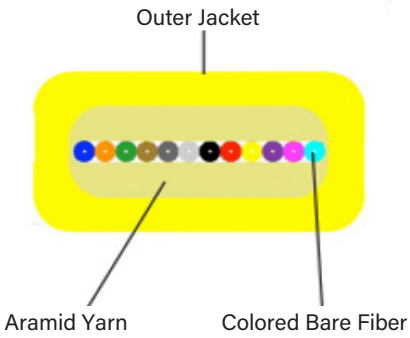
MICRO-DISTRIBUTION



TIGHT BUFFER



RIBBON



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Data Infrastructure
800.934.5432
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