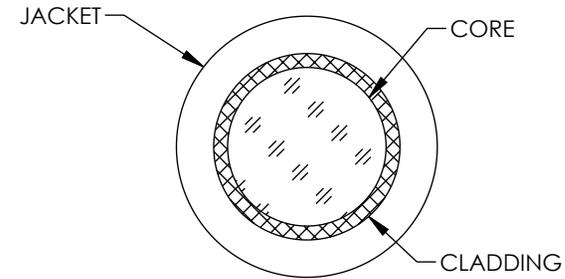


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF L-COM, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF L-COM, INC. IS PROHIBITED.

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/06/2023	DFRISIELLO	PHOSPODAR

STRUCTURE:	VALUE:
CORE DIAMETER	980 μm
CORE MATERIAL	POLYMETHYL METHACRYLATE RESIN (PMMA)
CLADDING DIAMETER	1000 μm
CLADDING MATERIAL	FLUORINATED POLYMER
JACKET DIAMETER	1.00 mm
JACKET MATERIAL, COLOR	POLYETHYLENE, BLACK
INDICATION ON JACKET	PINK LINE
CORE REFRACTIVE INDEX	1.49
REFRACTIVE INDEX PROFILE	STEP INDEX
NUMERICAL APERTURE	0.3



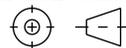
(DRAWING NOT TO SCALE)

PERFORMANCE:			VALUE
OPERATION TEMPERATURE			-40°C ~ 85°C
OPERATION TEMPERATURE WITH HUMIDITY			75°C MAX.
OPTICAL PROPERTIES	TRANSMISSION LOSS (650nm COLLIMATED LIGHT)	25°C @50%RH	160dB/km MAX.
	BANDWIDTH	OPERATING TEMP.	180dB/km MAX.
MECHANICAL CHARACTERISTICS		-3dB BANDWIDTH LAUNCH NA=0.3 LENGTH 50m@650nm	200 MHz MAX.
	MINIMUM BEND RADIUS	LOSS INCREMENT \leq 0.5dB	25mm MIN.
	REPEATED BEND ENDURANCE	LOSS INCREMENT \leq 1dB	5,000 MIN.
	TENSILE STRENGTH	TENSILE PERFORMANCE TEST EQUIPMENT	70N MIN.
	TWISTING ENDURANCE	LOSS INCREMENT \leq 1dB (TESILE FORCE: 4.9N)	5 MIN.
	IMPACT ENDURANCE	LOSS INCREMENT \leq 1dB (JIS C 6861)	0.4N*m

ITEM NUMBER	LENGTH, METERS [FEET]
LCMH4001-25M	25.0 [82.03]
LCMH4001-50M	50.0 [164.05]
LCMH4001-100M	100.0 [328.10]

NOTES:

- BULK FIBER SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤ 12 [305] = +1 [25] / -0 > 12 [305] ≤ 60 [1524] = +2 [51] / -0 > 60 [1524] ≤ 120 [3048] = +4 [102] / -0 > 120 [3048] ≤ 300 [7620] = +6 [152] / -0 > 300 [7620] = +5% / -0 ALL OTHER DIMENSIONAL TOLERANCES: .X = \pm .2 [5] FRACTIONS \pm 1/32 .XX = \pm .02 [5] ANGLES \pm 1° .XXX = \pm .005 [13]	APPROVALS	DATE	 50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY	06/01/2023		CATEGORY FIBER OPTIC
	CHECKED BY	06/01/2023		
	APPROVED BY	06/01/2023		
THIRD-ANGLE PROJECTION	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION		
	COLOR VARIATIONS MAY OCCUR	Mitsubishi ESKA® MH4001, 1x2.2mm Cable, POF Simplex, Low Numerical Aperture		
		SIZE A	CAGE CODE 43321	
		ITEM NO. LCMH4001	REV. A	
		SCALE: NONE	SHEET 1 OF 1	