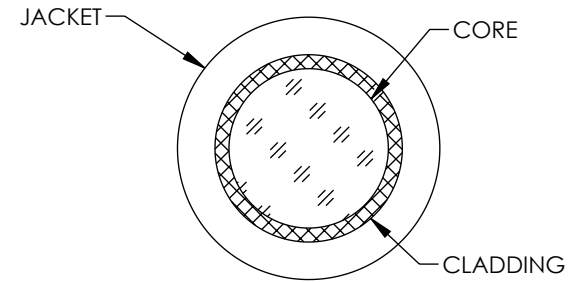


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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/06/2023	DFRISIELLO	PHOSPODAR

STRUCTURE:	VALUE:
CORE DIAMETER	980 μm
CORE MATERIAL	POLYMETHYL METHACRYLATE RESIN (PMMA)
CLADDING DIAMETER	1000 μm
CLADDING MATERIAL	FLUORINATED POLYMER
JACKET DIAMETER	2.20 mm
JACKET MATERIAL, COLOR	POLYETHYLENE, BLACK
INDICATION ON JACKET	BLUE LINE
CORE REFRACTIVE INDEX	1.49
REFRACTIVE INDEX PROFILE	STEP INDEX
NUMERICAL APERTURE	0.5




(DRAWING NOT TO SCALE)

PERFORMANCE:			VALUE
OPERATION TEMPERATURE			-55 °C ~ 70 °C
OPERATION TEMPERATURE WITH HUMIDITY			70 °C MAX.
OPTICAL PROPERTIES	TRANSMISSION LOSS (650nm COLLIMATED LIGHT)	25 °C @50%RH	190dB/km MAX.
		OPERATING TEMP.	210dB/km MAX.
MECHANICAL CHARACTERISTICS	MINIMUM BEND RADIUS	LOSS INCREMENT ≤ 0.5dB	25mm MIN.
	REPEATED BEND ENDURANCE	LOSS INCREMENT ≤ 1dB	10,000 MIN.
	TENSILE STRENGTH	TENSILE PERFORMANCE TEST EQUIPMENT	70N MIN.
	TWISTING ENDURANCE	LOSS INCREMENT ≤ 1dB (TENSILE FORCE: 4.9N)	5 MIN.
	IMPACT ENDURANCE	LOSS INCREMENT ≤ 1dB (JIS C 6861)	0.2N*m

ITEM NUMBER	LENGTH, METERS [FEET]
LCSH4001-25M	25.0 [82.03]
LCSH4001-50M	50.0 [164.05]
LCSH4001-100M	100.0 [328.10]

NOTES:

1. 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 = ± .2 [5]   FRACTIONS ± 1/32 .XX = ± .02 [5]   ANGLES ± 1° .XXX = ± .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 <b>FIBER OPTIC</b>	
	CHECKED BY	06/01/2023			
	APPROVED BY	06/01/2023			
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION <b>Mitsubishi ESKA® SH4001, 1x2.2mm Cable, POF Simplex</b>			
THIRD-ANGLE PROJECTION	COLOR VARIATIONS MAY OCCUR	SIZE <b>A</b>	CAGE CODE <b>43321</b>	ITEM NO. <b>LCSH4001</b>	REV. <b>A</b>
		SCALE: NONE	CAD FILE: LCSH4001.SLDDRW	SHEET 1 OF 1	