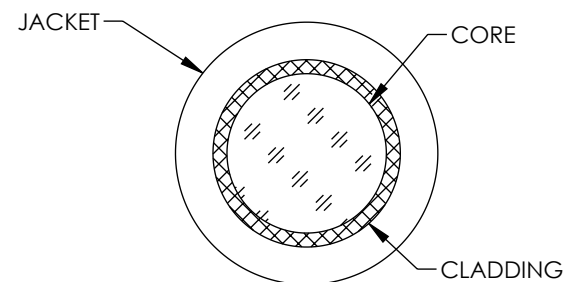


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF L-COM, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF L-COM, INC. IS PROHIBITED.

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

STRUCTURE:	VALUE:
CORE DIAMETER	1960 μ m
CORE MATERIAL	POLYMETHYL METHACRYLATE RESIN (PMMA)
CLADDING DIAMETER	2000 μ m
CLADDING MATERIAL	FLUORINATED POLYMER
JACKET DIAMETER	3.00 mm
JACKET MATERIAL, COLOR	POLYETHYLENE, BLACK
INDICATION ON JACKET	WHITE LINE
CORE REFRACTIVE INDEX	1.49
REFRACTIVE INDEX PROFILE	STEP INDEX
NUMERICAL APERTURE	0.5



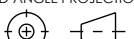
(DRAWING NOT TO SCALE)

PERFORMANCE:			VALUE
OPERATION TEMPERATURE			-55°C ~ 70°C
OPERATION TEMPERATURE WITH HUMIDITY			60°C MAX.
OPTICAL PROPERTIES	TRANSMISSION LOSS (650nm COLLIMATED LIGHT)	25°C @50%RH	200dB/km MAX.
		OPERATING TEMP.	220dB/km MAX.
MECHANICAL CHARACTERISTICS	MINIMUM BEND RADIUS	LOSS INCREMENT $\leq$ 0.5dB	80mm MIN.
	REPEATED BEND ENDURANCE	LOSS INCREMENT $\leq$ 1dB	1,000 MIN.
	TENSILE STRENGTH	TENSILE PERFORMANCE TEST EQUIPMENT	270N MIN.
	TWISTING ENDURANCE	LOSS INCREMENT $\leq$ 1dB (TENSILE FORCE: 4.9N)	2 MIN.
	IMPACT ENDURANCE	LOSS INCREMENT $\leq$ 1dB (JIS C 6861)	-N*m

ITEM NUMBER	LENGTH, METERS [FEET]
LCSH8001-3.0-25M	25.0 [82.03]
LCSH8001-3.0-50M	50.0 [164.05]
LCSH8001-3.0-100M	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]		APPROVALS		DATE		L-com™ an INFINIT® brand 50 High Street, West Mill, North Andover, MA 01845 USA Phone: 1.800.341.5266 1.978.682.6936	
OVERALL CABLE LENGTH TOLERANCE:		DRAWN BY DFRISIELLO		06/01/2023			
≤12 [305] = +1 [25] / -0		CHECKED BY JJOHNSTON		06/01/2023			
>12 [305] ≤60 [1524] = +2 [51] / -0		APPROVED BY PHOSPODAR		06/01/2023			
>60 [1524] ≤120 [3048] = +4 [102] / -0				CATEGORY		FIBER OPTIC	
>120 [3048] ≤300 [7620] = +6 [152] / -0							
>300 [7620] = +5% / -0							
ALL OTHER DIMENSIONAL TOLERANCES:		CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION			
.X = ± .2 [5] FRACTIONS .XX = ± .02 [.5] ± 1/32 .XXX = ± .005 [.13] ANGLES ± 1°				Mitsubishi ESKA® SH8001-3.0, 2x3mm Cable, POF Simplex			
THIRD-ANGLE PROJECTION		COLOR VARIATIONS MAY OCCUR		SIZE A	CAGE CODE 43321	ITEM NO. LCSH8001	REV A
				SCALE: NONE		CAD FILE: LCSH8001.SLDRW	SHEET 1 OF 1