

6

5

4

3

2

1

FIBER TYPE	SINGLE MODE
CORE DIAMETER	9 μ m
CLADDING DIAMETER	125 μ m
CABLE (O.D.) mm	2.0 \pm 0.1
CABLE THICKNESS (mm)	0.33 \pm 0.05
CABLE MATERIAL	OFNP
BUFFER (O.D.) (mm)	0.90 \pm 0.05
BUFFER MATERIAL	PVC

WAVELENGTH:	850/1300nm FIBER TYPE	850/1300nm MAXIMUM
ATTENUATION	3.0/1.0 dB/km	3.5/1.5 dB/km
OFL BANDWIDTH (MHz.km)	\geq 200/500	
EFFECTIVE MODER (MHz.km)	N.A.	
10G ETHERNET SX (M)	N.A.	
STRENGTH MEMBERS	ARAMID YARN	
JACKET SHRINKAGE	\leq 5%(2H BAKE AT 85°C \pm 2°C)	
RELATIVELY HUMIDITY	0 ~ 90 %	

MAX. TENSILE STRENGTH (N)	
SHORT TERM	75
LONG TERM	30

MIN. BEND RADIUS (mm)	
DYNAMIC	20X DIA.
STATIC	10X DIA.

MAX. CRUSH RESISTANCE (N/100mm)	
SHORT TERM	200
LONG TERM	50

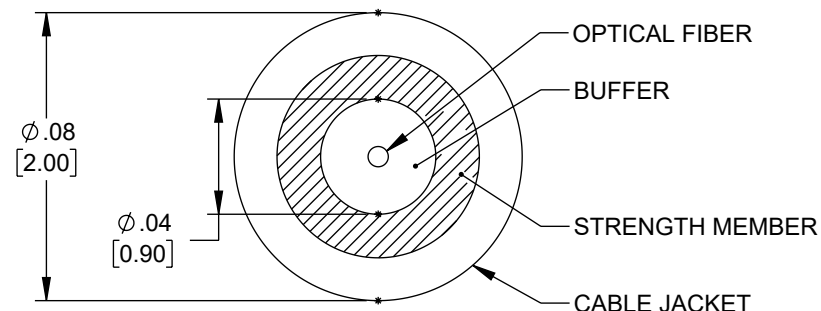
NOTES:

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

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/19/2023	PSRINIVAS	PHOSPODAR



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 an INFINIT@ brand Website: www.L-com.com Phone: 1.800.341.5266 1.978.682.6936		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: .X = \pm 2 [5] FRACTIONS .XX = \pm 0.02 [0.5] \pm 1/32 .XXX = \pm 0.005 [0.13] ANGLES \pm 1°				SCALE	SHEET
CABLE LENGTH TOLERANCES: \leq 12 [305] = +1 [25] / -0 $>$ 12 [305] \leq 60 [1524] = +2 [51] / -0 $>$ 60 [1524] \leq 120 [3048] = +4 [102] / -0 $>$ 120 [3048] \leq 300 [7620] = +6 [152] / -0 $>$ 300 [7620] = +5% / -0		DESCRIPTION ROUND SIMPLEX OPTICAL CABLE, 9/125 SINGLE MODE, PLENUM RATED, 2.0mm, 500 METERS			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	43321	PSRINIVAS	FOB-1F2DSMP-500M	A	

6

5

4

3

2

1