

8 7 6 5 4 3 2 1

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.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/20/2020	PHOSPODAR

FIBER TYPE	MULTIMODE, OM1, PLENUM
CORE DIAMETER	62.5 μm
CLADDING DIAMETER	125 μm
PRIMARY COATING DIA. (UV CURED ACRYLATE)	245 μm
SECONDARY BUFFER DIA. (HARD ELASTOMERIC)	900 μm
NUMERICAL APERTURE	0.275
PROOF TEST LEVEL	100 kpsi

WAVELENGTH:	850 nm	1310 nm
GIGABYTE ETHERNET DISTANCE	300 m	600 m
MAXIMUM ATTENUATION	3.5 dB/km	1.5 dB/km
MINIMUM LASER BANDWIDTH	220 MHz-km	500 MHz-km
MINIMUM LED BANDWIDTH	200 MHz-km	500 MHz-km

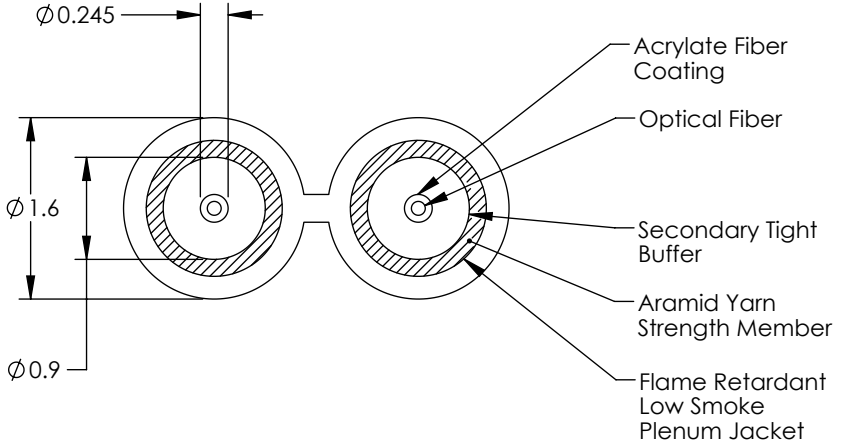
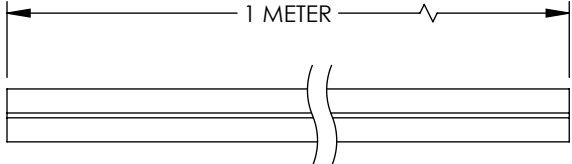
CABLE WEIGHT	7.0 kg/km (4.7 lbs/1000 ft)
CABLE DIAMETER	1.6 x 3.5 mm (0.063 x 0.138 in)

INSTALLATION:	
MAX TENSILE LOAD	450 N (101 lbs)
MIN BEND RADIUS	3.8 cm (1.5 in)

OPERATING:	
MAX TENSILE LOAD	167 N (38 lbs)
MIN BEND RADIUS	2.5 cm (1.0 in)

IMPACT RESISTANCE	150 IMPACTS
CRUSH RESISTANCE	500 N/cm

OPERATING TEMPERATURE	-20°C TO +85°C
STORAGE TEMPERATURE	-40°C TO +85°C
INSTALLATION TEMPERATURE	0°C TO +60°C (actual temp. of cable)
FLAME RETARDANCY	OFNP



ALL DIMENSIONS IN mm, DRAWING NOT TO SCALE

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]	
THIRD-ANGLE PROJECTION	

APPROVALS	DATE	 an INFINITO brand	50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936
DRAWN BY DZINN	02/20/2020		
CHECKED BY DFRISIELLO	02/20/2020		
APPROVED BY PHOSPODAR	02/20/2020		
CATEGORY		FIBER OPTIC	
PRODUCT DESCRIPTION		1M Interval OM1 (62.5/125) 1.6mm Duplex	
SIZE A	CAGE CODE 43321	ITEM NO. FOB16OM1PSZ-M	REV. A
SCALE: NONE		CAD FILE: FOB16OM1PSZ-M.SLDDRW	
			SHEET 1 OF 1