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	10/19/2021	S.XU

FIBER TYPE	MULTIMODE, OM1, RISER
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
10-GIGABYTE ETHERNET DISTANC	33 m	300 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

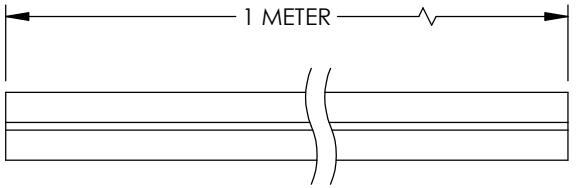
CABLE WEIGHT	9 kg/km (6 lbs/1000 ft)
CABLE DIAMETER	2.0 x 4.1 mm (0.08 x 0.16 in)

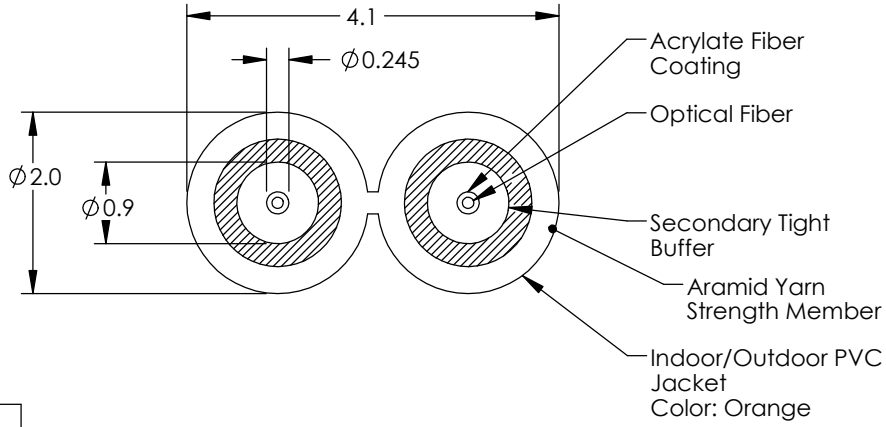
SHORT-TERM:	
MAX TENSILE LOAD	180 N (40.5 lbs)
MIN BEND RADIUS	3.8 cm (1.5 in)

LONG-TERM:	
MAX TENSILE LOAD	90 N (20 lbs)
MIN BEND RADIUS	2.5 cm (1.0 in)

IMPACT RESISTANCE	750 IMPACTS
CRUSH RESISTANCE	500 N/cm

OPERATING TEMPERATURE	-40°C TO +85°C
STORAGE TEMPERATURE	-55°C TO +85°C
INSTALLATION TEMPERATURE	-10°C TO +60°C (actual temp. of cable)
FLAME RETARDANCY	OFNR





ALL DIMENSIONS IN mm, DRAWING NOT TO SCALE

NOTES:

1. CABLE 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]
.XX = ± .02 [.5]
.XXX = ± .005 [.13]
FRACTIONS ± 1/32
ANGLES ± 1°

THIRD-ANGLE PROJECTION

APPROVALS	DATE
DRAWN BY BZHANG	09/13/2021
CHECKED BY S.XU	09/13/2021
APPROVED BY S.XU	09/13/2021

CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY

COLOR VARIATIONS MAY OCCUR

L-com an INFINITE brand
50 High Street, West Mill,
North Andover, MA 01845 USA.
Phone: 1.800.341.5266
1.978.682.6936

CATEGORY
FIBER OPTIC

PRODUCT DESCRIPTION
1M Interval Economy OM1 MMF 62.5/125 Duplex Fiber Cable 2.0mm OD Orange OFNR

SIZE	CAGE CODE	ITEM NO.	REV.
A	43321	FOB20OM1ROZV-M	A

SCALE: NONE | CAD FILE: FOB20OM1ROZV-M.SLDDRW | SHEET 1 OF 1

T-Rev.D