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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/21/2021	S.XU

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	1000 MHz-km

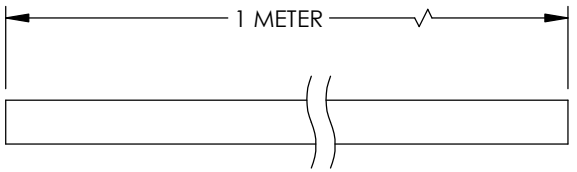
CABLE WEIGHT	8 kg/km (5 lbs/1000 ft)
CABLE DIAMETER	2.9 (0.11 in)

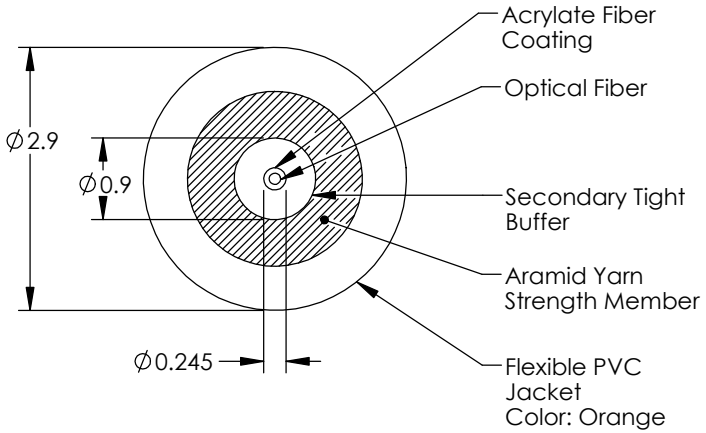
SHORT-TERM:	
MAX TENSILE LOAD	300 N (70 lbs)
MIN BEND RADIUS	5.0 cm (2.0 in)

LONG-TERM:	
MAX TENSILE LOAD	150 N (35 lbs)
MIN BEND RADIUS	3.0 cm (1.2 in)

IMPACT RESISTANCE	1000 IMPACTS
CRUSH RESISTANCE	750 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	OFNP





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	09/14/2021
CHECKED BY S.XU	09/14/2021
APPROVED BY S.XU	09/14/2021

CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY

COLOR VARIATIONS MAY OCCUR

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CATEGORY
FIBER OPTIC

PRODUCT DESCRIPTION
1M Interval Economy OM1 MMF 62.5/125 Duplex Fiber Cable 3.0mm OD Orange OFNP

SIZE	CAGE CODE	ITEM NO.	REV.
A	43321	FOB30OM1POSV-M	A

SCALE: NONE | CAD FILE: fob30om1posv-m.SLDDRW | SHEET 1 OF 1

T-Rev.D