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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/22/2021	S.XU

FIBER TYPE	MULTIMODE, OM2, BEND INSENSITIVE
FIBER RATING	MIL TAC
CORE DIAMETER	50 µm
CLADDING DIAMETER	125 µm
PRIMARY COATING DIA. (UV CURED ACRYLATE)	245 µm
SECONDARY BUFFER DIA. (HARD ELASTOMERIC)	900 µm
NUMERICAL APERTURE	0.20
PROOF TEST LEVEL	100 kpsi

WAVELENGTH:	850 nm	1310 nm
GIGABYTE ETHERNET DISTANCE	600 m	600 m
10-GIGABYTE ETHERNET DISTANCE	82 m	300 m
MAXIMUM ATTENUATION	3.5 dB/km	1.5 dB/km
MINIMUM LASER BANDWIDTH	500 MHz-km	
MINIMUM OFL LED BANDWIDTH	500 MHz-km	

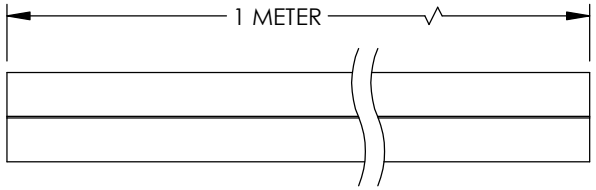
CABLE WEIGHT	18 kg/km (12 lbs/1000 ft)
CABLE DIAMETER	2.9 x 5.8 mm (0.11 x 0.23 in)

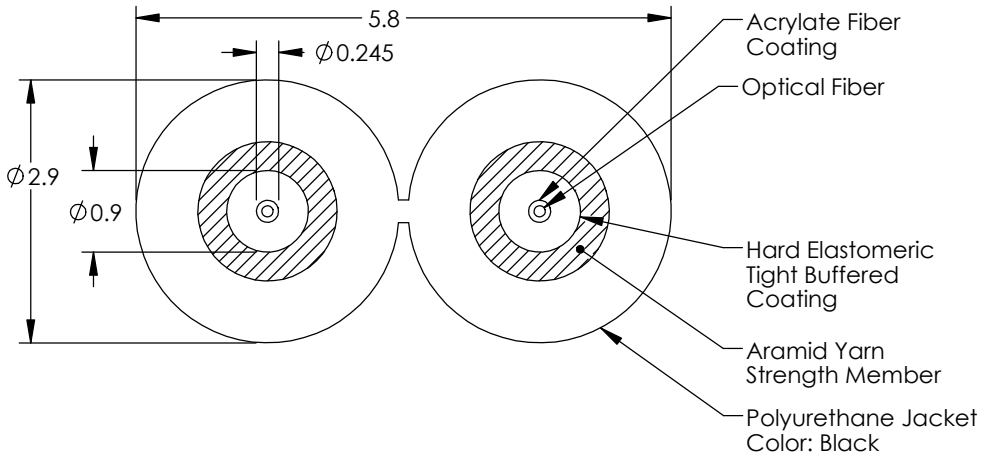
SHORT-TERM:	
MAX TENSILE LOAD	500 N (110 lbs)
MIN BEND RADIUS	5.0 cm (2.0 in)

OPERATING:	
MAX TENSILE LOAD	250 N (55 lbs)
MIN BEND RADIUS	3.0 cm (1.2 in)

IMPACT RESISTANCE	200 IMPACTS
CRUSH RESISTANCE	500 N/cm

OPERATING TEMPERATURE	0°C TO +70°C
STORAGE TEMPERATURE	-40°C TO +85°C
INSTALLATION TEMPERATURE	0°C TO +60°C (actual temp. of cable)





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

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 OM2 MMF 50/125 Duplex Fiber Cable 3.0mm OD Black Tactical Usage

SIZE	CAGE CODE	ITEM NO.	REV.
A	43321	FOB30OM2TKZV-M	A

SCALE: NONE | CAD FILE: fob30om2tkzv-m.SLDDRW | SHEET 1 OF 1

T-Rev.D