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REVISI

DESCRIPTION

DATE

APPROVED

A INITIAL RELEASE

10/22/2021 S.XU

FIBER TYPE	MULTIMODE, OM2, BEND INSENSITIVE	
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
MAXIMUM ATTENUATION	3.5 dB/km	1.5 dB/km
MINIMUM LASER BANDWIDTH	510 MHz-km	500 MHz-km
MINIMUM OFL LED BANDWIDTH	500 MHz-km	500 MHz-km

CABLE WEIGHT	9 kg/km (6 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)

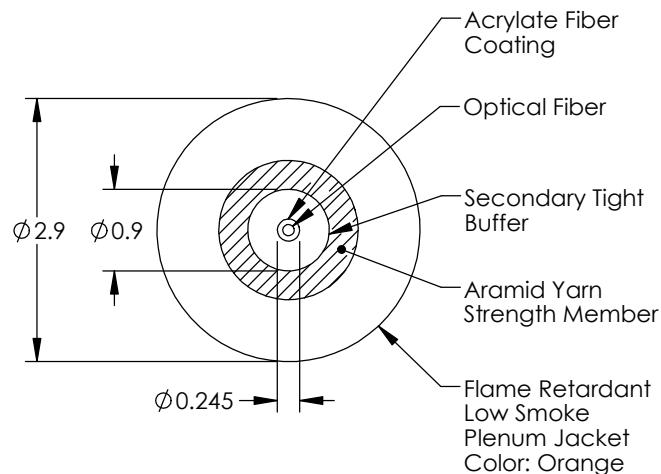
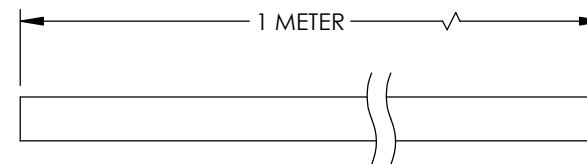
LONG-TERM:	
MAX TENSILE LOAD	150 N (35 lbs)
MIN BEND RADIUS	3.0 cm (1.2 in)

IMPACT RESISTANCE	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)
FLAME RETARDANCY	OFNP

NOTES:

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



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:

$.X = \pm .2$ [5]
 $.XX = \pm .02$ [5]
 $.XXX = \pm .005$ [1.3]

FRACTIONS
 $\pm 1/32$
 ANGLES $\pm 1^\circ$

THIRD-ANGLE PROJECTION

COLOR VARIATIONS
 MAY OCCUR

APPROVALS

DATE

DRAWN BY

B.ZHANG

CHECKED BY

S.XU

APPROVED BY

S.XU

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