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REVISI

DESCRIPTION

DATE

APPROVED

| | | |
|--|---------------------|--|
| FIBER TYPE | SINGLEMODE, MIL TAC | |
| CORE DIAMETER | 9 μm | |
| CLADDING DIAMETER | 125 μm | |
| PRIMARY COATING DIA. (UV CURED ACRYLATE) | 245 μm | |
| SECONDARY BUFFER DIA. (HARD ELASTOMERIC) | 900 μm | |
| PROOF TEST LEVEL | 100 kpsi | |

| | | |
|-------------------------------|--------------------------------|-----------|
| WAVELENGTH: | 1310 nm | 1550 nm |
| MAXIMUM ATTENUATION | 0.5 dB/km | 0.5 dB/km |
| NOMINAL ZERO DISPERSION SLOPE | 0.092 ps/(nm ² ·km) | |

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

| | |
|------------------|-----------------|
| SHORT-TERM: | |
| MAX TENSILE LOAD | 300 N (70 lbs) |
| MIN BEND RADIUS | 4.8 cm (2.0 in) |

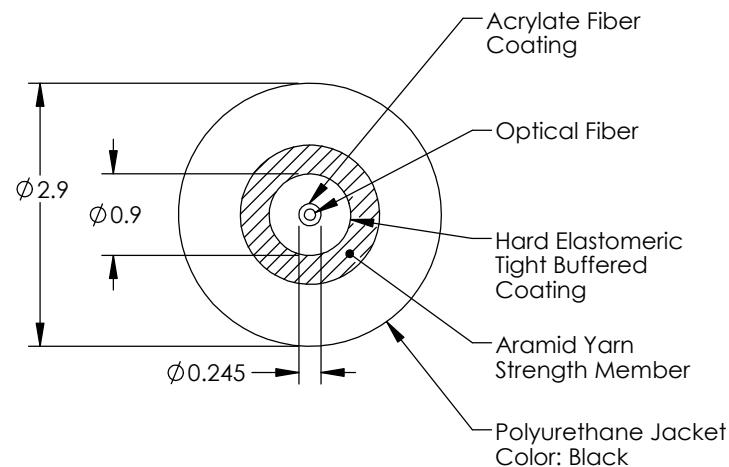
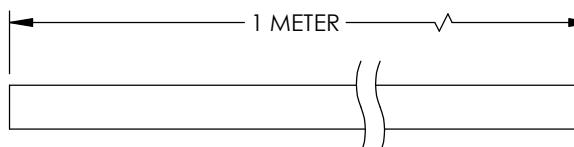
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|------------------|-----------------|
| LONG-TERM: | |
| MAX TENSILE LOAD | 150 N (35 lbs) |
| MIN BEND RADIUS | 2.4 cm (1.0 in) |

| | |
|-------------------|-------------|
| IMPACT RESISTANCE | 200 IMPACTS |
| CRUSH RESISTANCE | 500 N/cm |

| | |
|-----------------------|----------------|
| OPERATING TEMPERATURE | -55°C TO +85°C |
| STORAGE TEMPERATURE | -70°C TO +85°C |

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 $\pm 1^\circ$



APPROVALS

DRAWN BY

BZHANG

09/14/21

CHECKED BY

S.XU

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DATE

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CATEGORY

FIBER OPTIC

PRODUCT DESCRIPTION

1M Interval Economy SMF 9/125 Simplex Fiber
 Cable 3.0mm OD Black Tactical Usage

SIZE

A

CAGE CODE 43321

ITEM NO. FOB30SNGTKSV-M

REV.

A

SCALE:

NONE

CAD FILE: fob30sngtksv-m.SLDDRW

SHEET 1 OF 1