

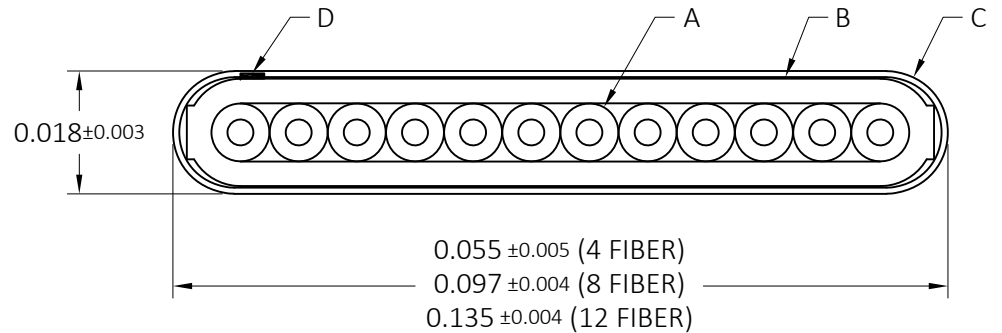
CONSTRUCTION:

- A. OPTICAL FIBER: O.D. = 0.245mm (0.0098") (SEE TABLE A)
- B. BUFFER: ePTFE BUFFER / MIL-ENE C COMPOSITE (0.004) WALL
- C. FLUOROPOLYMER LAYER: (0.001) WALL
- D. FIBER POSITION #1 INDEX STRIPE

REQUIREMENTS:

- 1. HUMIDITY TESTING: PER MIL-STD-202, METHOD 103
- 2. SALT FOG TESTING: PER MIL-STD-810, METHOD 509
- 3. DUST TESTING: PER MIL-STD-810
- 4. FLUIDS AND SOLVENTS: RESISTANCE TO
 - JP-8,
 - 100 / 130 AVIATION GASOLINE,
 - MIL-H-5606 HYDRAULIC FLUID,
 - SKYDROL 500B4,
 - DYNALENE HC-50 COOLANT

REVISIONS			
Rev	Description	Date	Chg'd By
E	EM2 ECO - 7606 R.Porter	24 OCT 2017	TKG
F	EM2 ECO - 7918 T.Sharp	12 FEB 2018	DED
G	EM2 ECO - 9329 T.Sharp	30 OCT 2019	TKG
H	EM2 ECO - 9361 T.Sharp	08 NOV 2019	TKG
J	EM2 ECO - 10171 I.Black / T.Sharp	25 JAN 2021	DED



PART NUMBER	FIBER SIZE	OPERATING TEMPERATURE (°C)	ATTENUATION	MINIMUM BEND RADIUS (SHORT TERM / LONG TERM) (mm)	MANUFACTURER AND PART NUMBER
FON1256 / 1 / *	62.5 / 125 / 245	-60° TO +85°	(5.0) dB / km @ 850 nm	Refer to Fiber Manufacturers Data Sheet	Corning® Infinicor® 300
FON1256 / 2 / *	9.5 / 125 / 245	-60° TO +85°	(1.0) dB / km @ 1310 nm	Refer to Fiber Manufacturers Data Sheet	Corning® SMF-28
FON1256 / 4 / *	50 / 125 / 245 (OM3)	-60° TO +85°	(5.0) dB / km @ 850 nm	Refer to Fiber Manufacturers Data Sheet	Corning® ClearCurve®
FON1256 / 5 / *	100 / 140 / 245	-40° TO +85°	(7.0) dB / km @ 850 nm	11 / 19	OFS BF04432-01

PARENTHESES DENOTE REFERENCE DIMENSIONS	
DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING	.X ± N/A
DEBURR SHARP EDGES	.XX ± N/A
 Third Angle Projection	.XXX ± N/A
	.XXXX ± N/A
	FRACTIONS ± N/A
	ANGLES ± N/A
	SURFACE TEXTURE N/A ✓
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5M-1994 (R1999)	BREAKS AND FILLETS N/A MAX



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OPTICAL FIBER RIBBON CABLE					
Dwg Size	Sheet	Scale	Associated Documents	Drawn	Rev Level
A	1 of 1	32:1	N/A	ECL	25 JAN 2008
Rev Date	Drawing Number		Rev Level		
25 JAN 2021	FON1256		J		

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