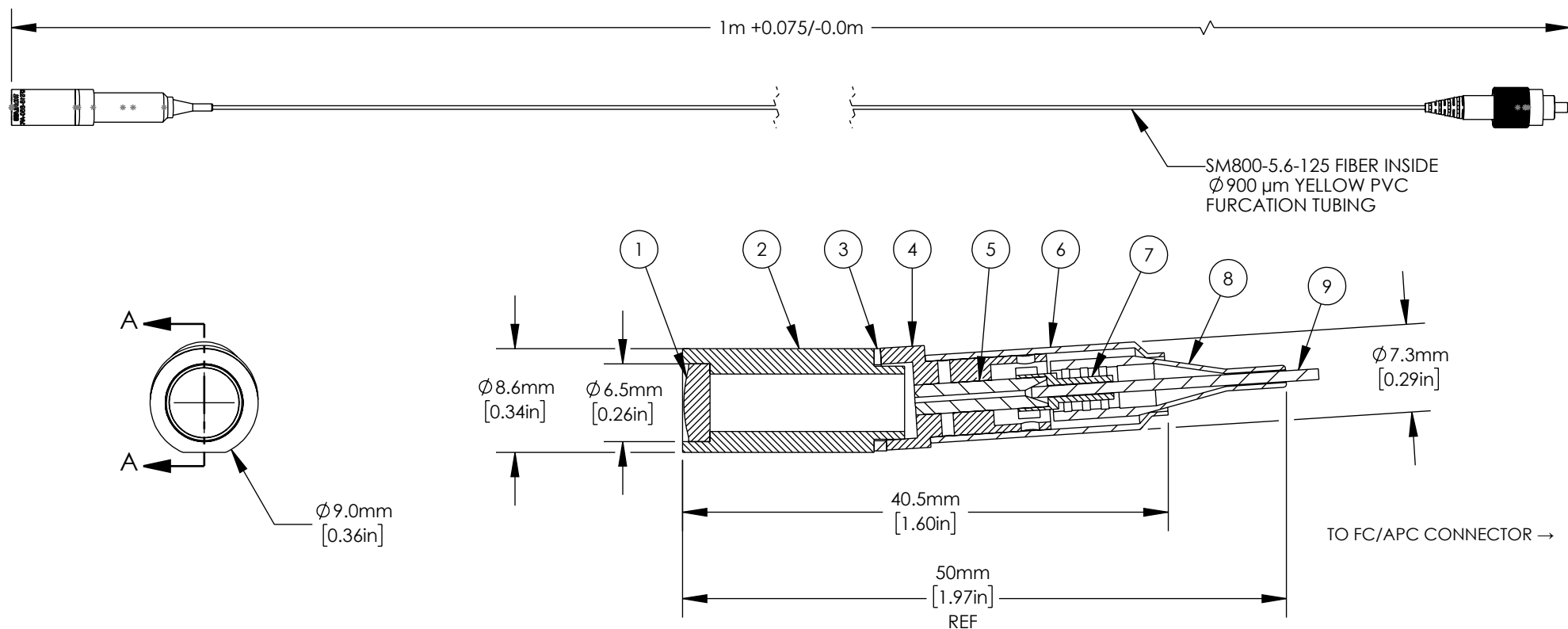


ITEM	PART	MATERIAL
1	Ø6.50mm, f=18.45 mm LENS	MOLDED ASPHERE
2	LENS CELL	303 STAINLESS
3	ANGLED WASHER	416 STAINLESS
4	PORT	303 STAINLESS
5	FERRULE	ZIRCONIA
6	PORT SLEEVE	303 STAINLESS
7	STEM	303 STAINLESS
8	FIBER STRAIN RELIEF BOOT	TPR
9	TUBING	HYTREL



NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 850 nm
2. FULL ANGLE BEAM DIVERGENCE: 0.27 mrad +0.17/-0.00 mrad
3. $1/e^2$ BEAM DIAMETER: 3.99 mm
4. FIBER TYPE: SM800-5.6-125
5. FIBER LENGTH: 1 m
6. RETURN LOSS: 55 dB
7. FIBER MODE FIELD DIAMETER: 5.0 μ m
8. CONNECTOR TYPE: FC/APC 8° POLISH
9. AR COATING (LENS): BBAR 650-1050 nm, $R_{avg} < 0.5\%$
10. AR COATING (FERRULE): 850 \pm 15 nm, $R < 0.25\%$

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			 www.thorlabs.com	
NAME	DATE			
DRAWN	NI	09/AUG/22	PIGTAILED ASPHERIC COLLIMATOR, EFL 18.45 mm, 850 nm, FC/APC	
APPROVAL	VP	11/AUG/22	MATERIAL	REV D
COPYRIGHT © 2022 BY THORLABS			SEE TABLE	
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	APPROX WEIGHT
			CFS18-850-APC	6.7 g