

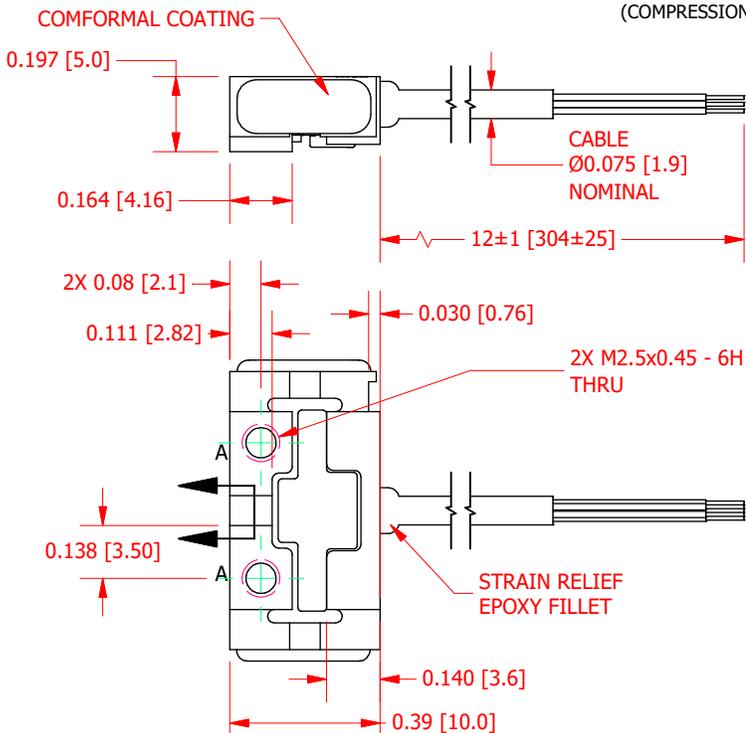
FUTEK MODEL QLA417

ITEM NUMBER: QSH02096

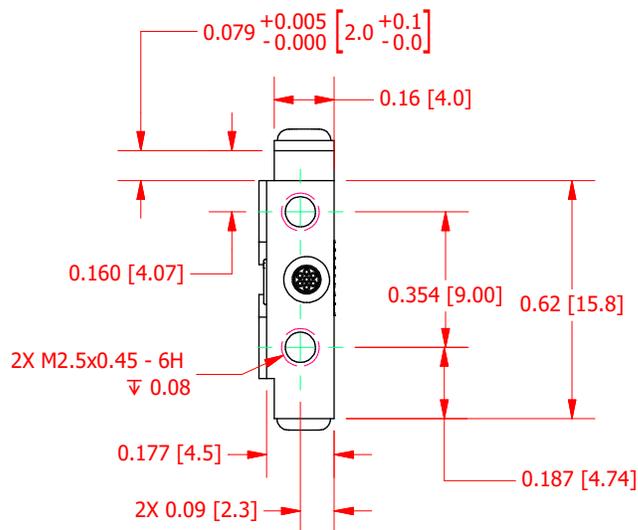
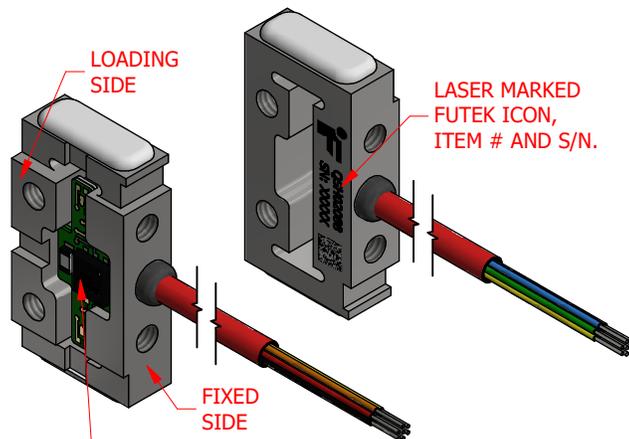
CUSTOM MINIATURE SHEAR FORCE SENSOR W. SMART RECOGNITION & PT-1000 CAPABILITIES.



INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+ Excitation	- Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Temp + TEDS	Temperature	TEDS	
Ground	Data	Data	
BLUE	YELLOW	ORANGE	

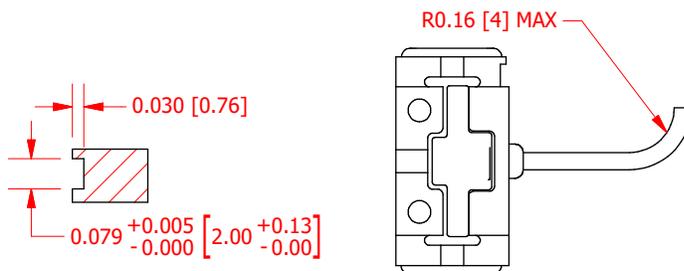


+OUTPUT (TENSION)
-OUTPUT (COMPRESSION)



SPECIFICATIONS:

RATED OUTPUT	1 mV/V nom.
CAPACITY	50 lb. [222N]
SAFE OVERLOAD	300 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	10 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.1% of R.O.
HYSTERESIS	±0.1% of R.O.
NONREPEATABILITY	±0.05% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-40 to 180 °F (-40 to 82 °C)
MATERIAL	17-4 PH.S.S.
DEFLECTION	0.0007 [0.020] nom.
CABLE: #34 Awg 7 Conductor Silver Plated, Braided Shielded Silicone Cable, 12in long	
IP RATING	IP64
RoHS Lead Free	(EU) 2015/863



SECTION A-A

CABLE STATIC BEND RADIUS

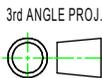
CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)
ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
THREADS PER HANDBOOK H-28
DIMENSIONS ARE SHOWN AFTER PLATING



ANGLE:
± 1/2°

CHAMFER:
± 5°

TOLERANCE:
.X ± 0.1"
.XX ± 0.01"
.XXX ± 0.005"

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:

FUTEK

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MODEL: **QLA417**

DWG No.: **FO1508**

DRAWN BY: M. Lisiak

CREATED DATE: 9/6/2019

APPROVED BY: S. Vosough

APPROVED DATE: 9/10/2019

CHECKED BY:

CAGE: 1X8M6 SHEET: 1 OF 1