

FUTEK MODEL QLA427

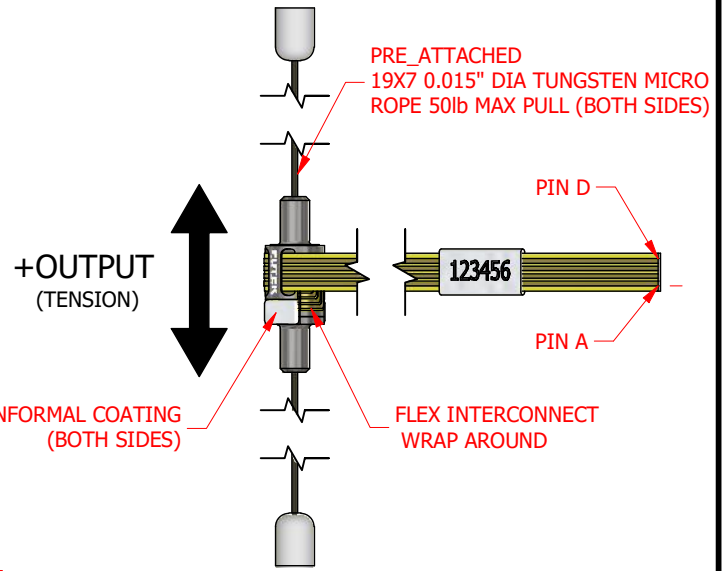
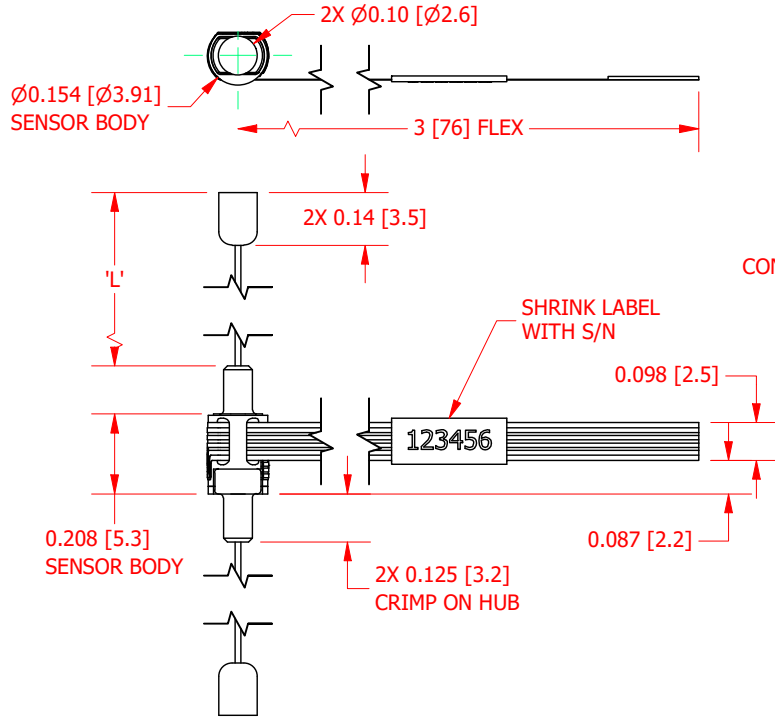
ITEM NUMBER: QSH02272

NANO SMART CRIMP, IN-LINE FORCE SENSOR

INCH [mm] | R.O.= Rated Output

WIRING CODE

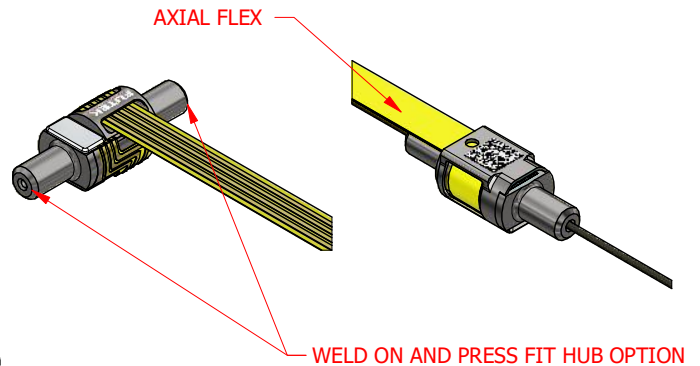
+ Excitation	- Excitation	- Signal	+ Signal
RED PIN A	BLACK PIN B	WHITE PIN C	GREEN PIN D



SPECIFICATIONS:

RATED OUTPUT	1.2 mV/V/mm
CAPACITY	30 lb. [133.2N]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±50% of R.O.
EXCITATION (VDC OR VAC)	5 MAX
BRIDGE RESISTANCE	1000 Ω nom
NONLINEARITY	±0.5% of R.O.
HYSTERESIS	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.03% of R.O./°F (±0.054 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	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.001 lb [0.5 g]
MATERIAL	17-4 PH.S.S.
DEFLECTION	0.0005 [0.013] nom
CABLE	4PIN, 0.5MM PITCH FLEX CABLE, 3 in [76 mm] Long

OPTIONAL CONFIGURATIONS



* DIFFERENT WIRE LENGTHS ('L'), WELD AND PRESS FIT INTEGRATION OPTIONS ARE AVAILABLE UPON REQUEST

MATING EXTENSION CONDUCTOR CABLE (QSH02146)

CUSTOMER APPROVAL- COMPANY:

OUTLINE DRAWING

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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.
10 THOMAS, IRVINE, CA 92618 USA
Phone: (949) 465-0900

CUSTOMER APPROVAL- NAME / DATE:

STANDARD NOTES: (Unless Otherwise Specified)

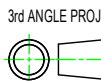
REVISIONS: (Refer to dwg # revision sheet)

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"



MODEL: QLA427	DWG No.: FO1584-0
DRAWN BY: S. VOSOUGH	CREATED DATE: 2/21/2022
APPROVED BY: M. LISIAK	APPROVED DATE: 2/21/2022
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1