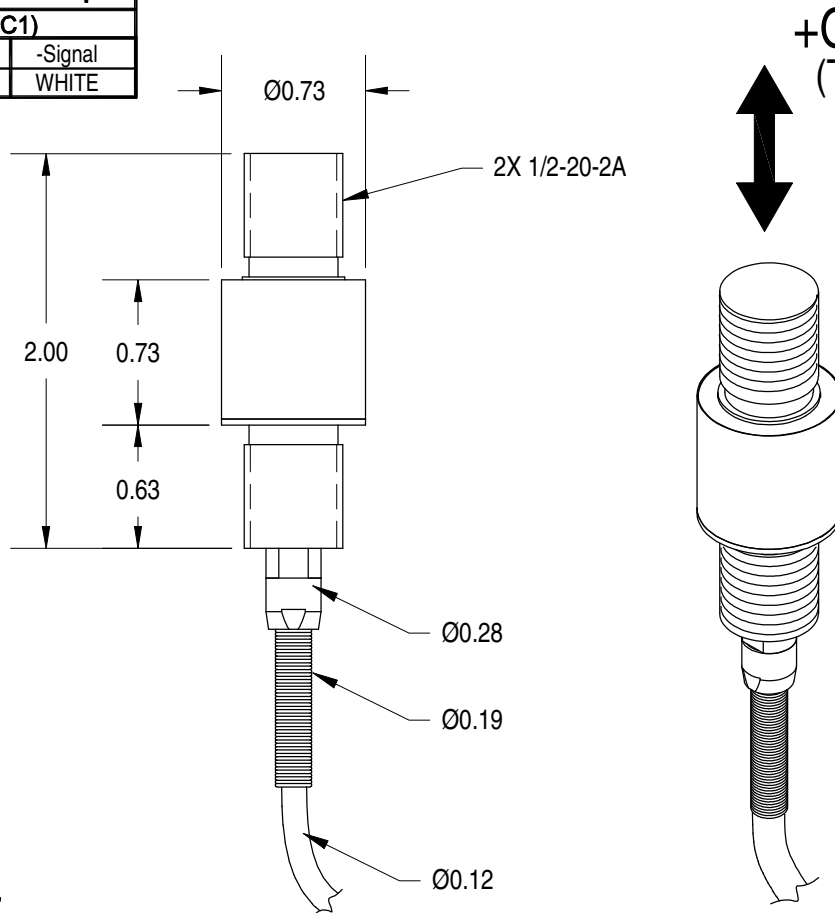


# FUTEK MODEL QLA286

Tension & Compression In-line Load Cell w/ Center Cable Exit

STOCK NUMBER: SEE CHART

|                   |             |                    |         |
|-------------------|-------------|--------------------|---------|
| INCH (mm)         |             | R.O.= Rated Output |         |
| WIRING CODE (WC1) |             |                    |         |
| +Excitation       | -Excitation | +Signal            | -Signal |
| RED               | BLACK       | GREEN              | WHITE   |
| Shield            |             |                    |         |
| FLOATING          |             |                    |         |



+OUTPUT  
(TENSION)

## SPECIFICATIONS:

|  |                   |
|--|-------------------|
| RATED OUTPUT   | 2 mV/V nom.       |
| CAPACITY   | 3000 lb           |
| SAFE OVERLOAD  | 150% of R.O.      |
| ZERO BALANCE   | ±5% of R.O.       |
| EXCITATION (VDC OR VAC)  | 18 MAX            |
| BRIDGE RESISTANCE  | 350 Ω nom         |
| NONLINEARITY   | ±2% of R.O.       |
| HYSTERESIS   | ±2% of R.O.       |
| NONREPEATABILITY   | ±0.5% of R.O.     |
| TEMP. SHIFT ZERO   | ±0.02% of R.O./°F |
| TEMP. SHIFT SPAN   | ±0.02% of LOAD/°F |
| COMPENSATED TEMP.  | 60 to 160°F       |
| OPERATING TEMP.  | -40 to 200°F      |
| MATERIAL   | STAINLESS STEEL   |
| CABLE: 26 AWG, 4 Conductor Braided Shielded Teflon Cable, (See Chart for Length) |                   |

| STOCK #  | CABLE LENGTH |
|----------|--------------|
| QSH00952 | 2 INCH       |
| QSH00953 | 10 FT        |

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MATERIAL:

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HEAT TREATMENT - FINISH:

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REVISIONS: (Refer to dwg # revision sheet)



## OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
- THREADS PER HANDBOOK H-28
- DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:  
±1/2°

CHAMFER:  
±5°

TOLERANCE:  
.XX ±.01  
.XXX ±.005

3rd ANGLE PROJ.



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**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.

CAGE: 1X8M6

MODEL: **QLA286**

DWG No.: **FO1180**

DRAWN BY: R. WALKER

CHECKED BY: -

APPROVED BY: J. VARGAS

DATE: **June 20, 2007**