

FUTEK MODEL LCM200

ULTRA LIGHT MINIATURE UNIVERSAL THREADED LOAD CELL

Drawing Number: FI1064-B

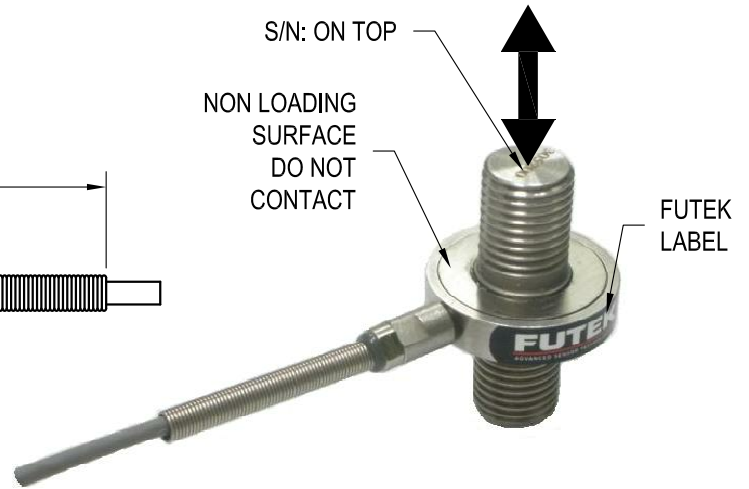
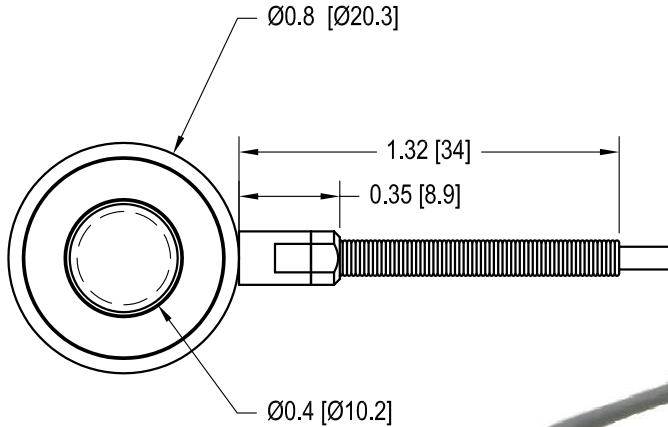
INCH [mm] | R.O.= Rated Output

WIRING CODE (WC1)

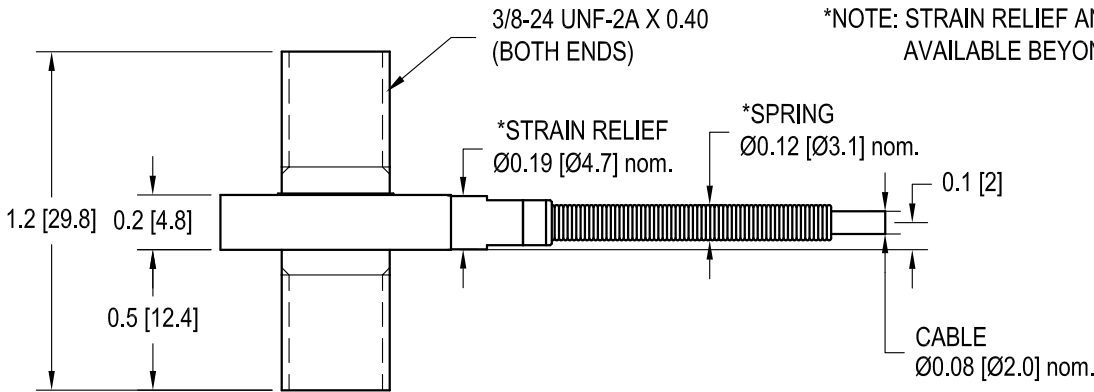
| | | | |
|-------------|-------------|---------|---------|
| +Excitation | -Excitation | +Signal | -Signal |
| RED | BLACK | GREEN | WHITE |

| |
|----------|
| Shield |
| FLOATING |

+OUTPUT
(TENSION)
-OUTPUT
(COMPRESSION)



*NOTE: STRAIN RELIEF AND SPRING ONLY AVAILABLE BEYOND S/N: 305196



| ITEM # | CAPACITIES | |
|----------|------------|------|
| | lb | N |
| FSH01934 | 250 | 1112 |
| FSH01933 | 500 | 2224 |
| FSH01932 | 1000 | 4448 |

SPECIFICATIONS:

| | |
|--|---|
| RATED OUTPUT | 1 mV/V nom (250 lb); 2 mV/V nom. |
| SAFE OVERLOAD | 150% of R.O. |
| ZERO BALANCE | ±3% of R.O. |
| EXCITATION (VDC OR VAC) | 15 MAX |
| BRIDGE RESISTANCE | 350 Ω nom. |
| NONLINEARITY | ±0.5% of R.O. |
| HYSTERESIS | ±0.5% of R.O. |
| NONREPEATABILITY | ±0.1% 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 250°F [15 to 121°C] |
| OPERATING TEMP. | -60 to 285°F [-50 to 140°C] |
| WEIGHT | 0.6 oz [17 g] |
| MATERIAL | 17-4PH S.S.** |
| DEFLECTION | 0.002 [0.05] nom. |
| CABLE: #29 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3 m] Long | |
| ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE | |
| CALIBRATION (STD) | 5 pt. TENSION; 60.4 KΩ SHUNT CAL. VALUE 100 KΩ FOR 250 lb SHUNT CAL. VALUE |
| CALIBRATION (AVAILABLE) | COMPRESSION |
| CALIBRATION TEST EXCITATION | 10 VDC |



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