

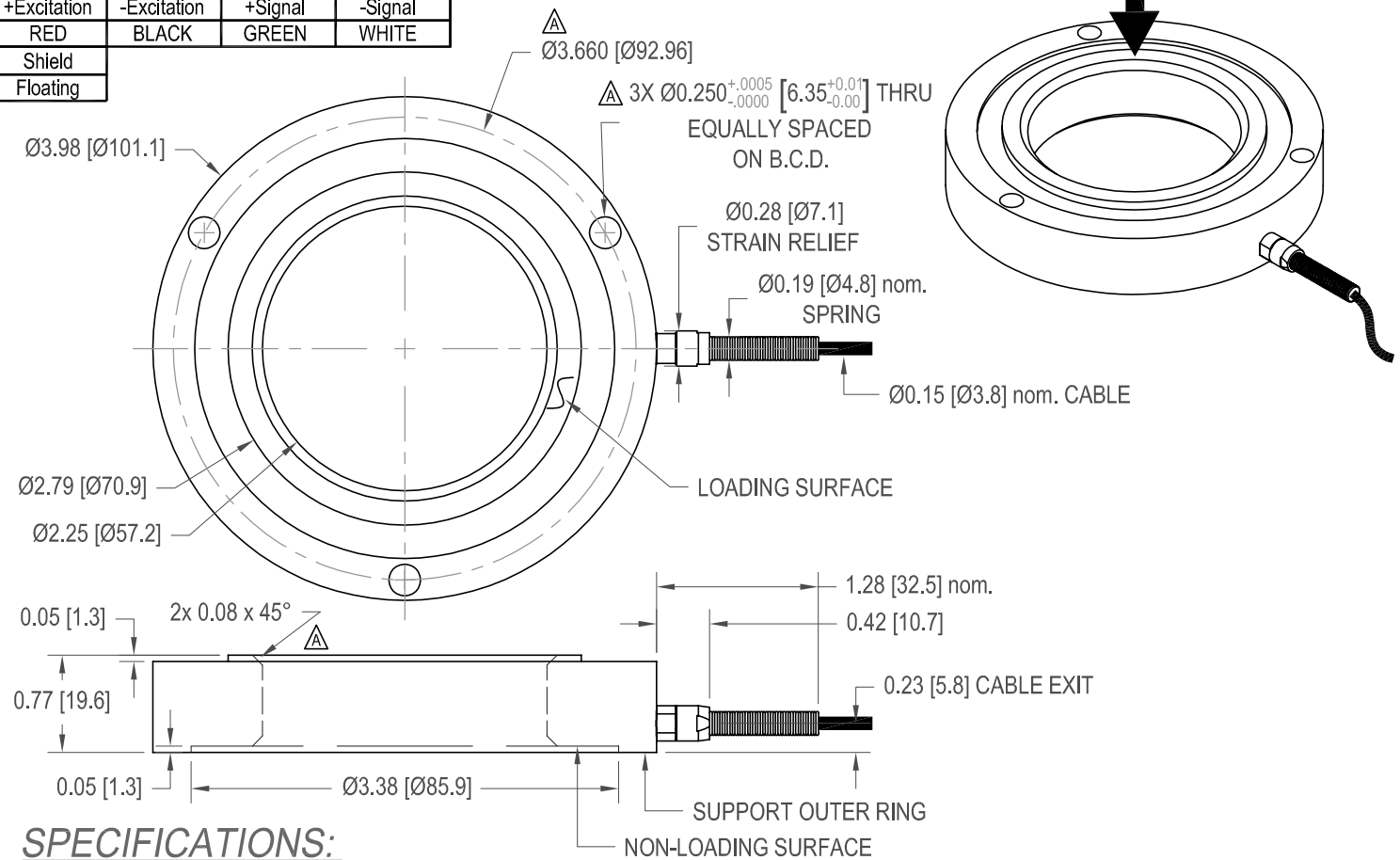
FUTEK MODEL QLA277

CUSTOM DONUT LOAD CELL

STOCK NUMBER: QSH00838

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

+OUTPUT
(COMPRESSION)



SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	50K lbs
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 max.
BRIDGE RESISTANCE	350/700Ω nom.
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.5% of R.O.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (0.04% of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (0.04% of LOAD/°C)
COMPENSATED TEMP.	60 to 160°F (15 to 72°C)
OPERATING TEMP.	-60 to 200°F (-50 to 93°C)
WEIGHT	1.5 lbs
MATERIAL	Stainless Steel

CABLE: #24 AWG, 4 Conductor, Braided Shielded, PVC Cable, 10 ft [3 m] Long.

NOTE:

WHILE TORQUING BOLTS, HIGH TENSION FORCES WILL OCCUR DURING INSTALLATION, WHICH COULD RESULT IN OVERLOADING THE SENSOR. FUTEK RECOMMENDS CONNECTING SENSOR TO A SYSTEM IN ORDER TO MONITOR THE APPLIED FORCES. FUTEK IS NOT LIABLE OR RESPONSIBLE FOR THE MISHANDLING OF THE SENSOR DURING INSTALLATION.

MATERIAL: —	OUTLINE DRAWING	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 ADVANCED SENSOR TECHNOLOGY, INC. 10 THOMAS IRVINE, CA 92618 USA Phone: (949) 465-0900 Fax: (949) 465-0905
HEAT TREATMENT - FINISH: —		
REVISIONS: (Refer to dwg # revision sheet) ▲ 11-13-06	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	CAGE: 1X8M6
	ANGLE: ±1/2° CHAMFER: ±5° TOLERANCE: .X ±0.1 .XX ±0.01 .XXX ±0.005 3rd ANGLE PROJ.	MODEL: QLA277 DWG No.: FO1157
		DRAWN BY: H. AU CHECKED BY: J. VARGAS
		APPROVED BY: R. WALKER DATE: NOV. 7, 2006