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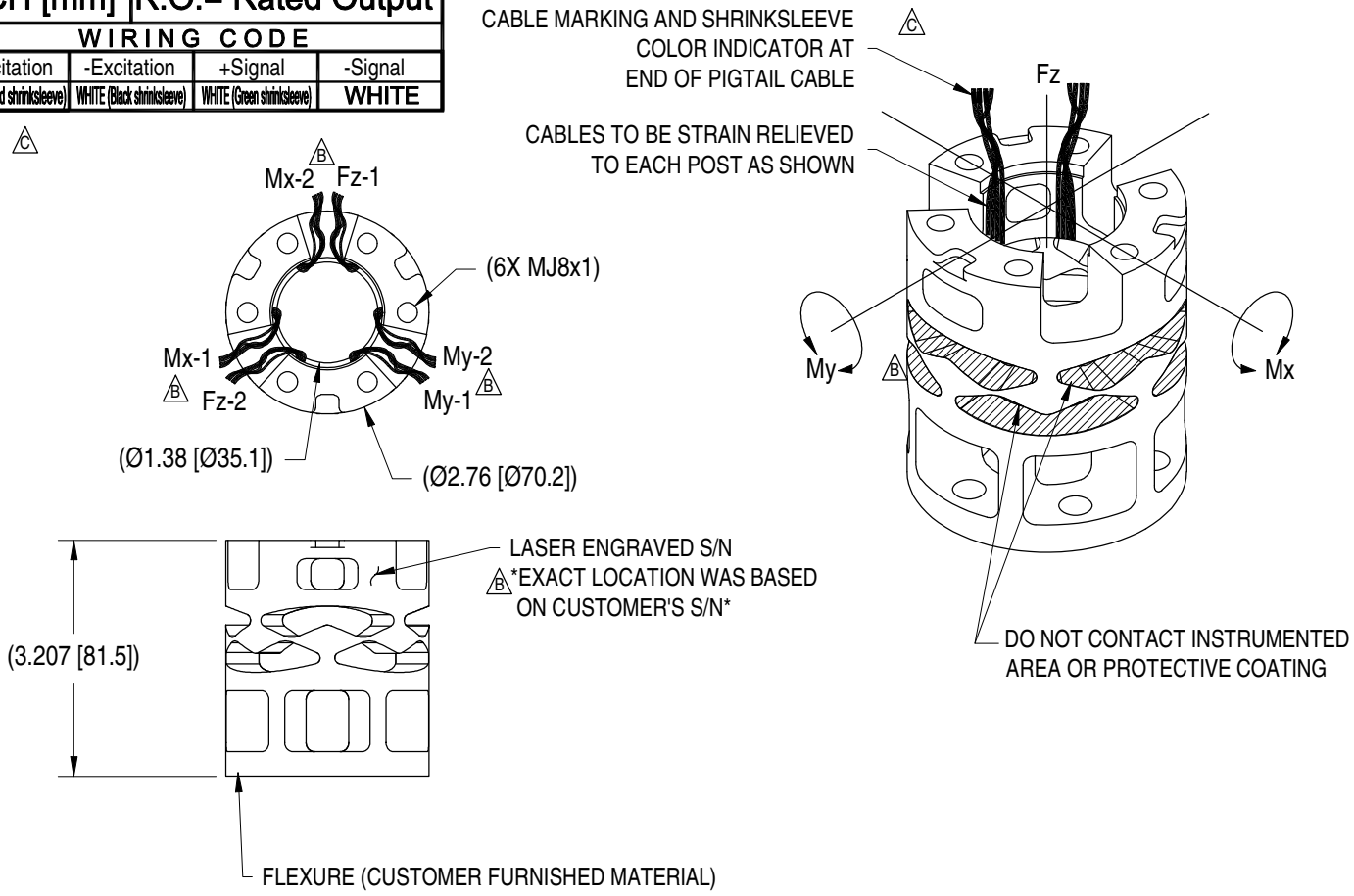
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FUTEK MODEL QMA118 *INSTRUMENTATION OF CUSTOMER PART*

ITEM # QSH01182

3 COMPONENT (Fz, Mx, My) REDUNDANT BRIDGE SENSOR

INCH [mm]	R.O.= Rated Output		
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
WHITE (Red shrinksleeve)	WHITE (Black shrinksleeve)	WHITE (Green shrinksleeve)	WHITE



C *SPECIFICATIONS:*

RATED OUTPUT (mV/V nom)	*Fz: 0.4, B Mx: 1.5, A B My: 0.75*
*CAPACITY **	*A Fz: 400 lb, Mx: 3000 in-lb, A My: 1500 in-lb*
SAFE OVERLOAD	*150% of R.O.*
EXCITATION (VDC OR VAC)	*15 max*
BRIDGE RESISTANCE	*Fz: 700Ω, Mx & My:350 Ω nom*
TEMP. SHIFT ZERO	*±0.05% of R.O./°F (0.09% of R.O./°C)*
TEMP. SHIFT SPAN	*±0.05% of LOAD/°F (0.09% of LOAD/°C)*
COMPENSATED TEMP.	*-112 to 158°F (-80 to 70°C)*
OPERATING TEMP.	*-211 to 257°F (-135 to 125°C)*
MATERIAL	*Titanium 6AL-4V*

CABLE: 24x 26 Awg Teflon Wire, 2 ft Long (Customer Furnished Material)

A ** CAPACITY DEFINED BY CUSTOMER'S FLEXURE DESIGN*

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)
A 10-23-08
B 12-08-08
C 9-21-10

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

3rd ANGLE PROJ.

ANGLE: ±1/2°

CHAMFER: ±5°

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

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CAGE: 1X8M6

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MODEL: QMA118	DWG No.: FO1223-C
DRAWN BY: R. WALKER	CHECKED BY: J. VARGAS
APPROVED BY: -	DATE: Sept 15, 2008