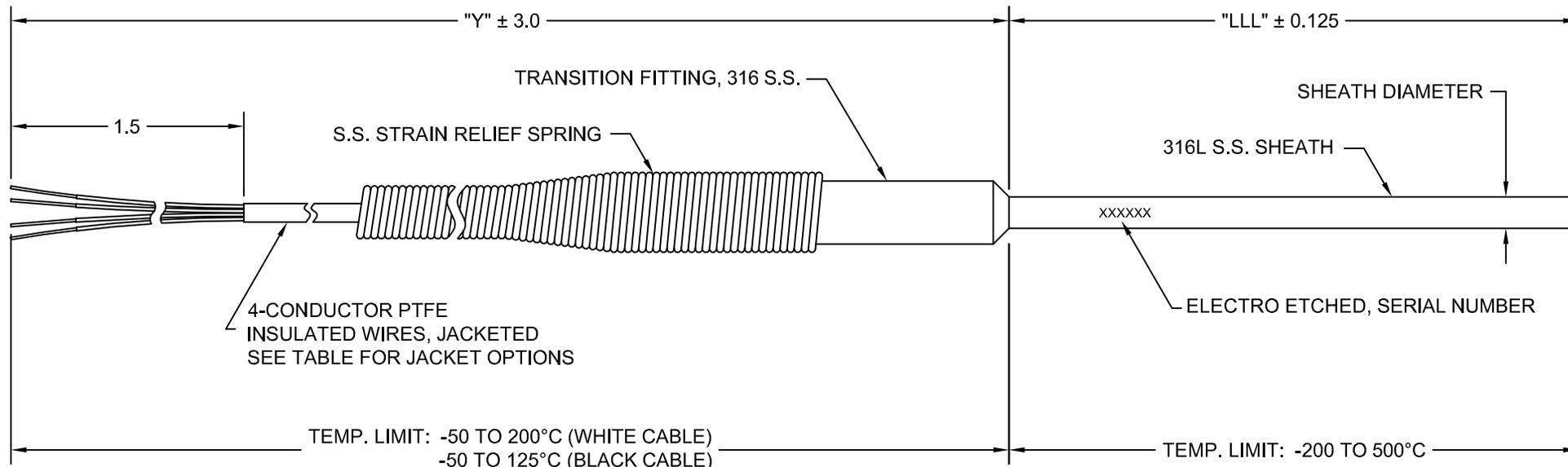


SYM	ECO NUMBER	DATE	APPD
A	ECO 4834	10-10-01	KE
B	ECO 6927	2-25-13	TSH
C	ECO 7821	5-17-16	JAZ
D	ECO 7923	9-27-16	TSH



**BURNS SERIES 200 G-STYLE PRT**

NOTES:

1. THERMAL EMF SHALL BE NO MORE THAN 50 MICRO-VOLTS AT 420°C (9" AND GREATER) OR 300°C (LESS THAN 9").
2. SEE SHEET #2 FOR ORDERING INFORMATION.
3. SEE BURNS SERIES 200 CATALOG (BULLETIN #966) FOR MORE INFORMATION. THIS PRODUCT IS A SERIES 200 "G" STYLE SENSOR WITH UNIQUE CABLE OPTIONS. SERIES 200 PRODUCTS ARE RUGGED INDUSTRIAL GRADE RTD'S WITH EXCELLENT LONG TERM STABILITY AND ACCURACY.

-TOLERANCES- UNLESS OTHERWISE SPECIFIED	
ALL DIMENSION IN INCHES	
FRACTIONS = $\pm 1/16$	
ONE PLACE .X = $\pm 0.050$	
TWO PLACE .XX = $\pm 0.010$	
THREE PLACE .XXX = $\pm 0.005$	
ALL ANGLES ARE $\pm 0^\circ 30'$	
UNLESS OTHERWISE NOTED: ALL SURFACES 125 ✓	
ALL FINISHES IN MICRO INCHES	



**BURNS ENGINEERING**

SCALE	N.T.S.	
DFTM	AJ0	10-23-01
CHKD	JPZ	10-16-01
APPD	KE	10-10-01

MOUNTING AND OUTLINE DRAWING,  
INDUSTRIAL-GRADE STANDARD SENSOR,  
S200 "G" STYLE W/STAINLESS STEEL SPRING

DIMENSIONS IN INCHES

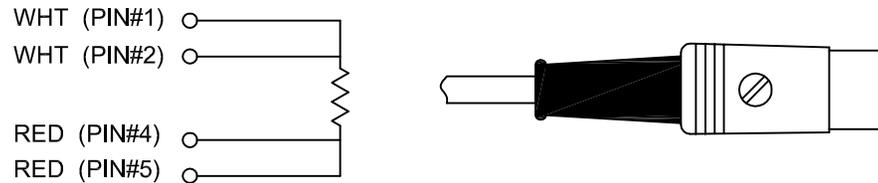
SHEET 1 OF 2	SIZE A	DRAWING NUMBER 18332	REV D
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**ORDERING INFORMATION:**

18332	BASIC PART NUMBER					
	A = 1/4" SHEATH DIAMETER B = 3/16" SHEATH DIAMETER					
	LLL = SHEATH LENGTH IN INCHES, 120 = 12.0 INCHES, 6" MIN.					
	Y = CABLE LENGTH "Y" IN FEET, 6 FEET STANDARD					
	W = WHITE TEFLON JACKETED CABLE (22 AWG) B = BLACK FLEXIBLE JACKETED CABLE (24 AWG)					
	0 = NO CAL 1 = CAL AT -196, -38, 0, 200, 420°C PER ITS-90 2 = CAL AT -196, -38, 0, 200, 300°C PER ITS-90					
	/ OPTIONS, SEE BELOW					
18332	-A	-120	-6	-W	-1	/LT14, LT13, LT40, OR SBAABBB

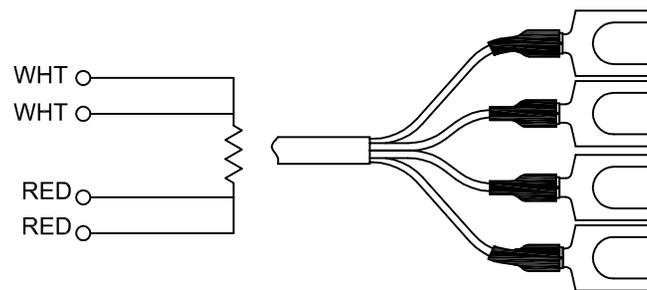
USE -1 CAL FOR 9" AND GREATER SHEATH LENGTH, -2 CAL FOR <9".

**OPTION LT40 = 5-PIN DIN PLUG**



NOTE: LEAVE PIN #3 BLANK

**OPTION LT14 = GOLD PLATED 1/4" STUD SIZE SPADE LUGS**



**OPTION LT13 = GOLD PLATED SIZE #8 SPADE LUG.**



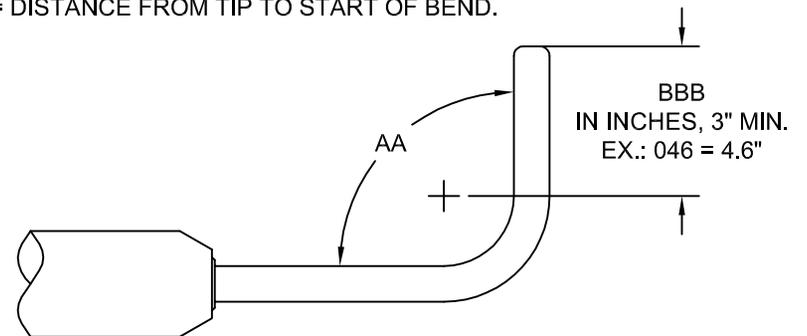
**CALIBRATION:** SENSOR WILL BE PROVIDED WITH CALIBRATION PER THE ORDERING INFORMATION SHOWN ON SHEET 2. THE BURNS ENGINEERING CALIBRATION LABORATORY COMPLIES WITH THE REQUIREMENTS OF ANSI/NC SL Z540-1 PART 1, AND ISO/IEC 17025 AND IS ACCREDITED BY NVLAP (LAB CODE 200706-0). CALIBRATION UNCERTAINTIES WILL BE INCLUDED ON THE CALIBRATION REPORT AT EACH MEASURED TEMPERATURE, TYPICAL EXPANDED UNCERTAINTIES (k=2, APPROXIMATELY 95%) ARE LISTED IN THE TABLE BELOW AND INCLUDE ALL OF THE KNOWN SOURCES PRESENT AT THE TIME OF CALIBRATION.

RANGE	EXPANDED UNCERTAINTY (k=2)
-196°C	0.025°C
-80°C TO 20°C	0.025°C
0°C / 0.01°C	0.025°C
20°C TO 250°C	0.025°C
250°C TO 500°C	0.050°C

**BENDING OPTION SBAABBB**

AA = BEND ANGLE, 90° MAX.

BBB = DISTANCE FROM TIP TO START OF BEND.



**BURNS**  
ENGINEERING

SHEET 2  
OF 2

SIZE  
A

DRAWING NUMBER  
18332

REV  
D