# 1BX Temp. Probes

Weight 2 oz.

## Lead Specifications

Minimum lead length 6"
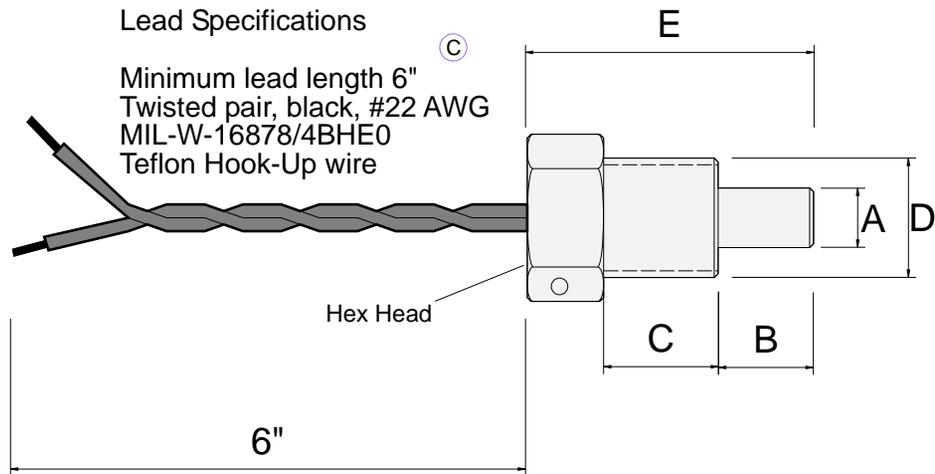Twisted pair, black, #22 AWG
MIL-W-16878/4BHE0
Teflon Hook-Up wire



E

C

Hex Head

C     B

A  D

6"

## Thermistor Specifications
Type: NTC (RL0503-2890-95-MS)
Material: D9.5
Operating Temperature Range: -50C to 150C
Accuracy: +/- 1C @ 25C
Resistance: 5K ohms @ 25C

| Type | A Tip Diam. | B Tip length | C Thread length | D (Thread) | E overal length | Hex Head |
|---|---|---|---|---|---|---|
| 1B1 | 0.27 | 0.305 | 0.38 | 1/8" NPT | 0.93 | 1/2" |
| 1B1-A | 0.15 | 0.51 | 0.36 | 1/8" NPT | 1.12 | 1/2" |
| 1B1-S | 0.27 | 1.00 | 0.38 | 1/8" NPT | 1.63 | 1/2" |
| 1B2 | 0.30 | 0.51 | 0.40 | 3/8-24-3A | 1.26 | 5/8" |
| 1B3 | 0.31 | 0.50 | 0.60 | 5/8-18-3A | 1.50 | 7/8" |
| 1B3A | 0.31 | 0.80 | 0.30 | 5/8-18-3A | 1.50 | 7/8" |
| 1B3-2.5 | 0.31 | 1.92 | 0.40 | 5/8-18-3A | 2.67 | 7/8" |
| 1B4 | 0.27 | 0.40 | 0.47 | M10 - 1.5 | 1.12 | 1/2" |
| 1B5 | 0.30 | 0.51 | 0.40 | 3/8-24-3A | 1.26 | 5/8" |
| 1B6 | 0.29 | 1.78 | 0.50 | M16 - 1.5 | 2.67 | 7/8" |
| 1B7 | 0.30 | 0.51 | 0.40 | M12 - 1.5 | 1.26 | 5/8" |
| 1B8 | 0.125 | 0.25 | 0.25 | 1/4-20-3A | 0.85 | 3/8" |
| 1B8-S | 0.125 | 0.50 | 0.25 | 1/4-20-3A | 1.35 | 3/8" |
| 1B9 | 0.25* | .515* | 0.385 | 7/16-20 | 1.30 | 7/8" |
| 1B10 | 0.125 | 0.25 | 0.25 | 1/4-28 | 0.85 | 3/8" |
| 1B10-S | 0.125 | 0.50 | 0.25 | 1/4-28 | 1.35 | 3/8" |
| 1B11 | 0.31 | 0.50 | 0.60 | 1/4-18 NPT | 1.50 | 7/8" |
| 1B12 | 0.19 | 1.0 | 0.5 | 5/16-24 | 1.75 | 1/2" |
| 1B13 | 0.3 | 0.515 | 0.4 | 1/8-27 NPT | 1.26 | 1/2" |
| 1B14 | 0.31 | 5/16" 0.3125" | 0.6 | 1/4-18 NPT | 1.50 | 7/8" |
| 1B15 | 0.31 | 0.80 | 0.3 | 1/2-20 AN | 1.50 | 7/8" |
| 1B16 | 0.15 | 0.50 | 0.25 | M6 x 1pitch | 1.00 | 1/2" |

Notes: For RTD thermistor probe, add "-R" to the end of P/N!

* 1B9 Diam is stepped 0.25" to .365 deep, then .355 to .515 deep

Use MS 35769-6 crushwasher with 1B2
Use MS 35769-11 crushwasher with 1B3
Use thread-locker / sealent on 1B1, 1B4, 1B6, 1B7, 1B8, 1B10, 1B11

## Specification Drawing