



Another method of installing a thermocouple probe is by using it in conjunction with a compression fitting. After drilling and tapping the process hole, the compression fitting is threaded into the process and then tightened onto the probe, securing the probe in place. A brass 1/8" NPT is standard while others are available.

EX: FCJ913Z1DUR96TA5PB

Fixed Compression, Type J, 90 Degree, 1/8" Diameter Probe, 3" Mounting Length, 1 1/4" Extension, Ungrounded Radius Tip, 96" Teflon Insulated Wire with Armor, Mini Plug, 1/8" S.S. Compression Fitting, PVC Shrink Tube Full Length of Armor.

| FC | | | | | | | | | | | | | | | Ground wire available. Add "GW" at end of part number. | | | |
|---|---|------------|-----------------------|------------|--------------------------|-----------|------------------------|-----------|------------------------------|--------|--------------------------|--------|-----------------------|--------|--|-----|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | | | |
| 1. Style FC | | | | | | | | | | | | | | | | | | |
| 2. Calibration | T | TD-Duplex | J | JD-Duplex | E | ED-Duplex | K | KD-Duplex | | | | | | | | | | |
| 3. Probe Shape | 0 = Straight | | 4 = 45 Degree bend | | 9 = 90 Degree bend | | | | | | | | | | | | | |
| 4. Probe Diameter & Sheath Material | *1=.125 | A = 304 SS | 3=.188 | B = 316 SS | 5=.250 | | | | | | | | | | | | | |
| * = Not available in Duplex | | | | | | | | | | | | | | | | | | |
| 5. Probe Mounting Length in inches | A=.062 | B=.125 | C=.188 | D=.250 | E=.312 | F=.375 | G=.437 | H=.500 | J=.562 | K=.625 | L=.687 | M=.750 | N=.812 | P=.875 | R=.937 | Z=0 | | |
| 6. Probe Mounting Length in fractions | | | | | | | | | | | | | | | | | | |
| 7. Extension Length in inches, then use the fraction chart above for fraction code | | | | | | | | | | | | | | | | | | |
| 8. Tip & Junction | GD = Grounded Drill | | UD = Ungrounded Drill | | GR = Grounded Radius | | UR = Ungrounded Radius | | GF = Grounded Flat | | UF = Ungrounded Flat | | EJ = Exposed Junction | | OF = Open end flush tip | | | |
| 9. Lead Length in inches | | | | | | | | | | | | | | | | | | |
| 10. Lead Wire Insulation | F = Fiberglass | | T = Teflon | | K = Kapton | | | | | | | | | | | | | |
| 11. Lead Protection | B = Braid | | A = Armor | | FS = Fiberglass Sleeving | | SS = Silicone Sleeving | | BA = Braid/Armor | | | | | | | | | |
| 12. Termination | 0 = Split & Stripped | | 4H = Three Hole Jack | | 1 = Spade Lugs | | 5 = Mini Plug | | 2 = Spade Lugs/BX Fitting | | 5T = Three Pin Mini Plug | | 6 = Mini Jack | | 6H = Three Hole Mini Jack | | | |
| | 3 = Standard Plug | | 7 = Wire Ferrule | | 3S = Solid Pin Plug | | 8 = Female Push On | | 3DP = Duplex Plug | | | | | | | | | |
| | 3T = Three Pin Plug | | | | 4 = Standard Jack | | | | | | | | | | | | | |
| | For high temp plug or jack, add H | | | | | | | | | | | | | | | | | |
| | For ultra high temp plug or jack, add UH | | | | | | | | | | | | | | | | | |
| | For options 3-6, add X for no cable clamp (e.g. 3X, 4X) | | | | | | | | | | | | | | | | | |
| 13. Sleeve Options Over Lead Protection | FS = Fiberglass Sleeve | | SS = Silicone Sleeve | | TS = Teflon Shrink | | P = PVC Shrink | | | | | | | | | | | |
| 14. Compression | A = 1/8" brass | | F = 1/4" S.S./Teflon | | B = 1/8" S.S. | | G = 1/2" brass | | C = 1/8" S.S./Teflon | | H = 1/2" S.S. | | | | | | | |
| | D = 1/4" brass | | | | E = 1/4" S.S. | | | | Leave blank if doesn't apply | | | | | | | | | |
| | 1/8" Brass is standard | | | | | | | | | | | | | | | | | |
| 15. Lead Configuration (Duplex Option) | 1 = 2 Sets of Leads (Singles) | | | | | | | | | | | | | | | | | |
| | 2 = 2 Sets of Leads under 1 protection | | | | | | | | | | | | | | | | | |