

4 POINT MULTIPOINT THERMOCOUPLE DESIGN C329

SPECIFICATIONS

Sheath diameter: 0.375" +/- 0.003"Wall thickness: 0.040" minimum

Wire diameter: 20AWG

• Insulation resistance 1,000 M Ω at 500VDC

Compacted MgO ceramic insulation - high purity
99.4% minimum

Purity as per ASTM E-1652 Table 2

Ungrounded, uncommon junction

 Locations may be marked with either electro etch, or weld bead

All junctions may be located on one side of the sheath

 Protection sheath and thermocouple wires are fully solution annealed after reduction operation

Sheath is polished for maximum corrosion resistance

SHEATH ALLOYS

- 'Inconel' Alloy 600, 'Hastelloy' Alloy X, or C276
- Stainless steels 304/304L, 310, 316/316L, 321, 347
- Other alloys are available upon request

CERTIFICATES

- Sheath is pressure rated to 690 bar (10,000 psi)
- Material certificates for sheath, MgO, wire
- Actual MI cable calibration results at three temperatures, not just the bare wire alone
- Certificate of conformance
- 'PMI' Positive material certificate of conformance
- 'PMI' Positive material identification with sticker placed on sheath
- First piece testing
- Each lead wire is identified to point location

ALSO AVAILABLE

- Individual junction calibration to ASTM E-220
- On site bending tool for making expansion loops or for making each junction fall exactly on required location
- Heavy wall weld tubes may be pre installed and welded to sheath
- X-ray
- Pressure testing
- Leak testing of sheath
- Dye penetrant test of sheath
- Pre-installation of flanges or fittings

Ungrounded/uncommon junctions with both a positive and negative wire, terminating at junction location, with no additional wire required past the junction location. Thermocouples wire 20 AWG special limits of error as per ASTM E-230. Junctions may be placed all on one side or where they are required End cap seal welded. Protection sheath .500" +/- .005" OD, Multiple wire welds are wall thickness .070" minimum not required. Ceramic insulation is not **Expansion loops** removed or disturbed SST overbraid, SST flex where required. armour, water tight armour (if required) Transition from mineral insulated cable wire to lead wire 304 SST, 21.3mm OD, by 152mm long, 1/2" schedule 40 pipe, may be furnished threaded on either or both ends, or unthreaded. Epoxy sealant rated to 149 degrees C continuous service. Other transition Lead wire, 20 AWG solid wire (or stranded designs are available on request if desired) thermocouple grade, Teflon over Teflon insulation, colour coded: + yellow / red for Type "K", + orange / - red for Type

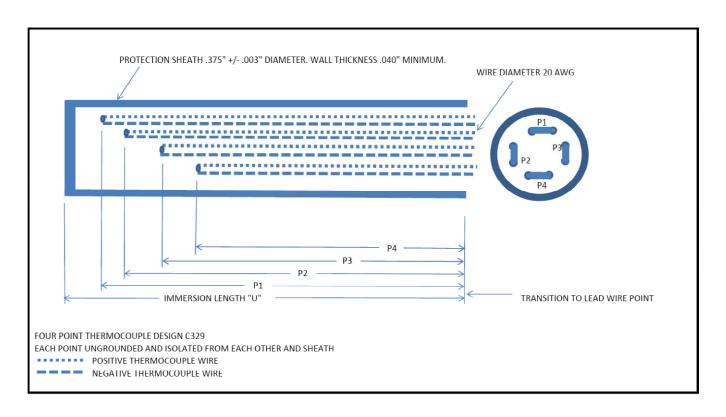
Pyrosales Pty Ltd

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THE C329 MULTIPOINT THERMOCOUPLE





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