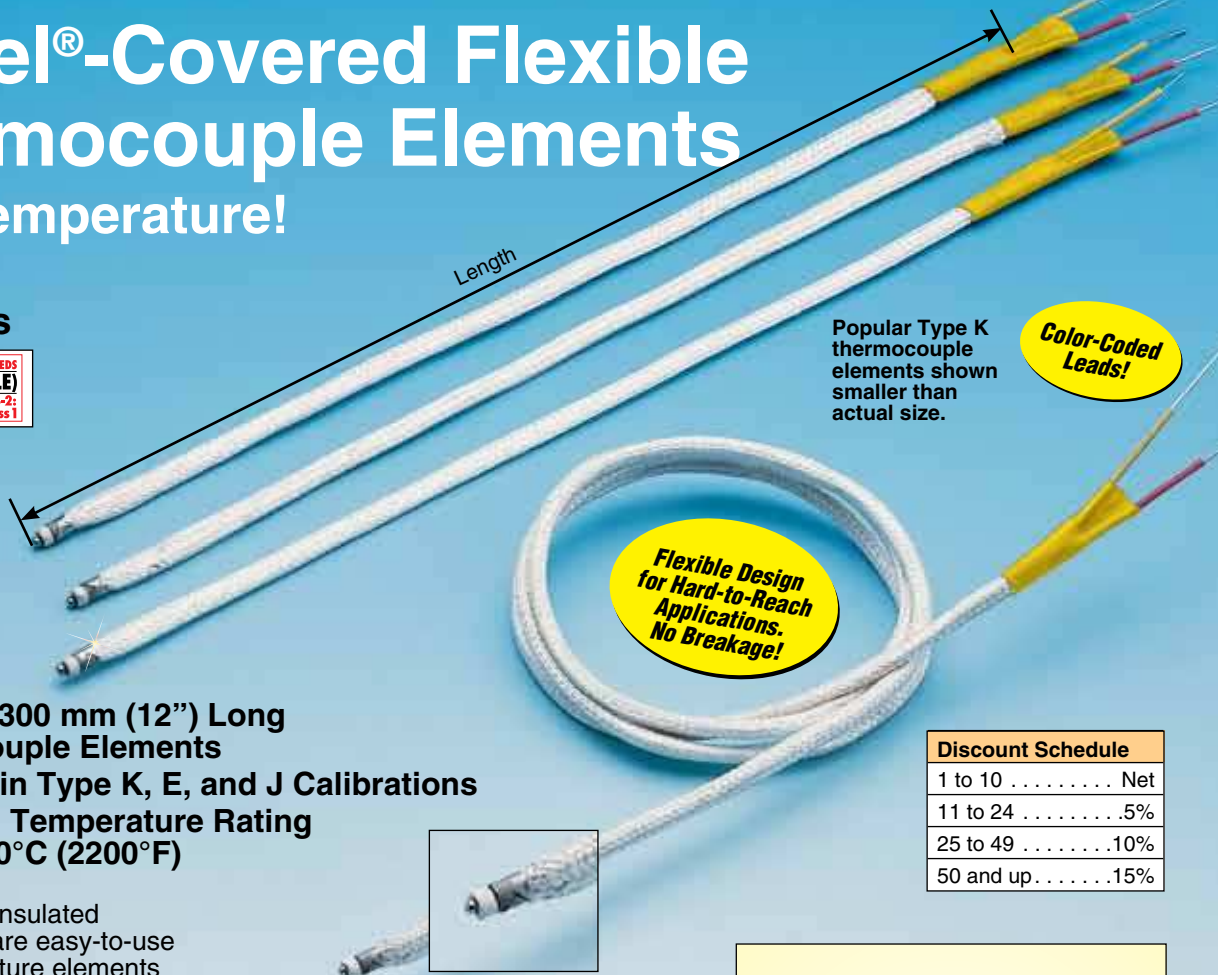


Nextel®-Covered Flexible Thermocouple Elements

High Temperature!

XC Series



Popular Type K thermocouple elements shown smaller than actual size.

Color-Coded Leads!

Flexible Design for Hard-to-Reach Applications. No Breakage!

- ✓ Standard 300 mm (12") Long Thermocouple Elements
- ✓ Available in Type K, E, and J Calibrations
- ✓ Insulation Temperature Rating Up to 1200°C (2200°F)

Nextel ceramic-insulated thermocouples are easy-to-use precise temperature elements manufactured to meet the highest industry standards. The Nextel ceramic insulation is rated for 1200°C (2200°F) continuous use, or 1425°C (2600°F) short term. These highly versatile elements are ideal for many high-temperature applications. If requested, NEWPORT® can combine these elements with thermowells and industrial heads to produce a complete head and well assembly, available for fast delivery.

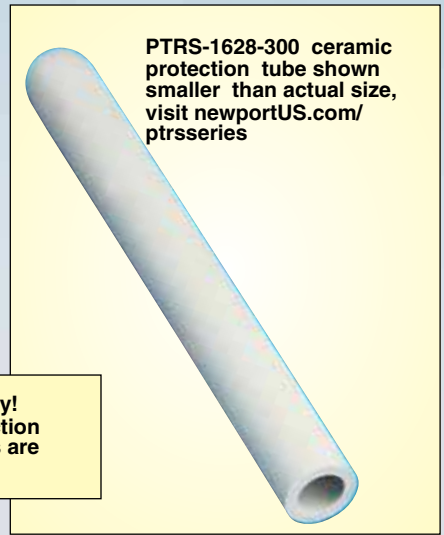
Available in 3 wire sizes, 14, 20, and 24 gage, the standard element configuration is 300 mm (12") long, with a general purpose welded bead, an exposed-junction thermocouple, plus a 13 mm (0.5")



Actual size.

stripped end termination. Calibration Types K (CHROMEALLOY®-ALOMEGA®), E (CHROMEALLOY®-constantan), J (iron-constantan), and N (OMEGALLOY®-NICROSIL-NISIL) are available. For additional abrasion protection, order stainless steel or Inconel® overbraiding. Consult Sales for more information.

| Discount Schedule | |
|---------------------|-----|
| 1 to 10 | Net |
| 11 to 24 | 5% |
| 25 to 49 | 10% |
| 50 and up | 15% |



PTRS-1628-300 ceramic protection tube shown smaller than actual size, visit newportUS.com/ptrseries

Complete Your Thermocouple Assembly!
A complete selection of Ceramic protection tubes is available, and compatible wells are available, visit newportUS.com

To Order (Visit newportUS.com/xc for Pricing and Details)

| 300 mm (12") Long with Insulation, Plus 13 mm (0.5") Stripped Ends Standard (Other Lengths Available) | | | |
|---|--|---|---|
| AWG Wire Size | Type K Temp Range -185 to 1250°C (-300 to 2300°F) | Type E Temp Range -185 to 850°C (-300 to 1600°F) | Type J Temp Range -185 to 750°C (-300 to 1400°F) |
| 14 | XC-14-K-12 | XC-14-E-12 | XC-14-J-12 |
| 20 | XC-20-K-12 | XC-20-E-12 | XC-20-J-12 |
| 24 | XC-24-K-12 | XC-24-E-12 | XC-24-J-12 |

To order longer elements, change "-12" to indicate actual length required. Temperature limitation is by type of thermocouple material selected. For a male straight M8 plug add "M8-S-M" to the model number for an additional cost, for a male straight M12 plug add "M12-S-M" to the model number for an additional cost. For a male right-angled M8 plug add "M8-R-M" to the model number for an additional cost, for a male right-angled M12 plug add "M12-S-M" to the model number for an additional cost.

Note: Available with silica insulation. Change the "XC" to "XS", no additional cost.
Ordering Example: XC-20-J-12, 20 AWG thermocouple, Type J, 12" long with Nextel ceramic fiber insulation.