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TECHNOLOGY GROUP

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Nextel®-Covered Flexible Thermocouple Elements

High Temperature

Complete Your Thermocouple Assembly. A complete selection of OMEGA® ceramic protection tubes and compatible wells are available.

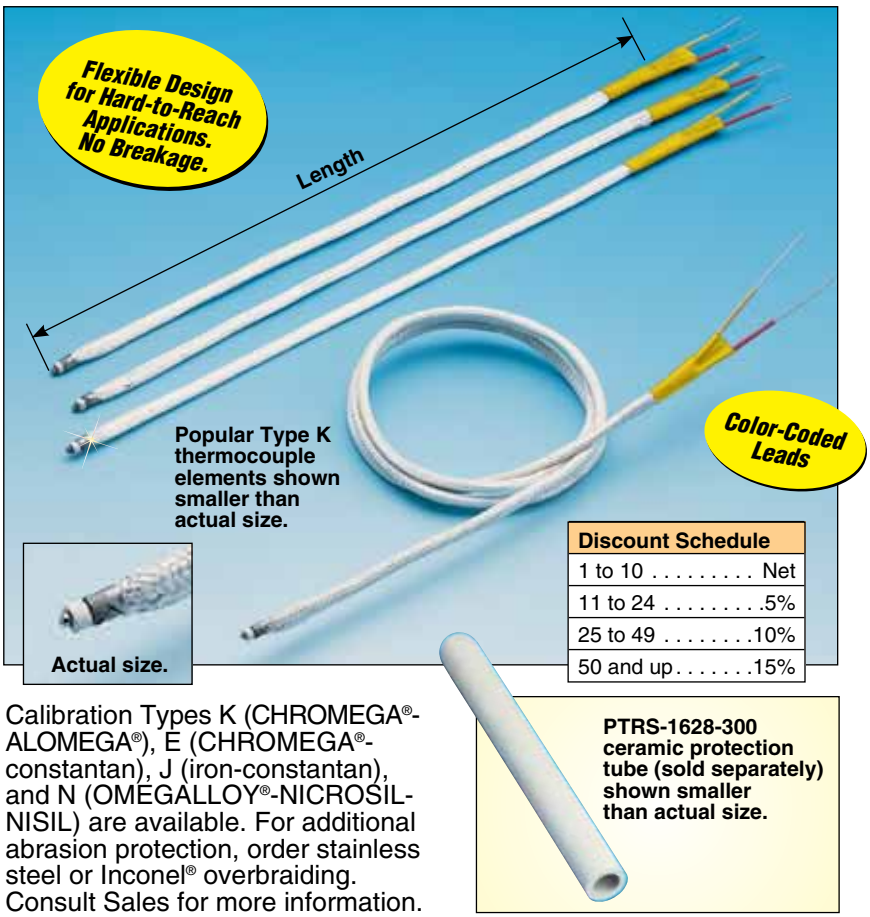
XC Series

MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1

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

OMEGA® 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, OMEGA 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") stripped end termination.



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

Calibration Types K (CHROMEGA®-ALOMEGA®), E (CHROMEGA®-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.

PTRS-1628-300 ceramic protection tube (sold separately) shown smaller than actual size.

To Order

300 mm (12") Long with Insulation, Plus 13 mm (0.5") Stripped Ends Standard ***(Other Lengths Available)***

Model No.	Thermocouple Type	AWG	Temperature Range
XC-14-K-12	K	14	0 to 1090°C (32 to 2000°F)
XC-20-K-12	K	20	0 to 980°C (32 to 1800°F)
XC-24-K-12	K	24	0 to 870°C (32 to 1600°F)
XC-14-J-12	J	14	0 to 590°C (32 to 1100°F)
XC-20-J-12	J	20	0 to 480°C (32 to 900°F)
XC-24-J-12	J	24	0 to 370°C (32 to 700°F)
XC-14-E-12	E	14	0 to 650°C (32 to 1200°F)
XC-20-E-12	E	20	0 to 540°C (32 to 1000°F)
XC-24-E-12	E	24	0 to 430°C (32 to 800°F)
XC-14-N-12	N	14	0 to 1090°C (32 to 2000°F)
XC-20-N-12	N	20	0 to 980°C (32 to 1800°F)
XC-24-N-12	N	24	0 to 980°C (32 to 1800°F)

*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.*

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We buy equipment

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