

Nextel-Covered Flexible Thermocouple Elements

High Temperature!



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

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

OMEGACAL[®]
Factory CAL
AVAILABLE
See Section I



- ✓ 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[®] 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, 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. 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.

Complete Your Thermocouple Assembly!
A complete selection of OMEGA[®] ceramic protection tubes is available, see page A-143. Compatible wells also available in section B.

Popular Type K thermocouple elements, shown smaller than actual size.

Color-Coded Leads!

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

XC Series Starts at \$21 300 mm

PTRS-1628-600 ceramic protection tube, \$477, shown larger than actual size, see page A-145.

MOST POPULAR MODELS HIGHLIGHTED!

| To Order (Specify Model Number) | | | | | | | | | |
|---|--|------------------------------------|--|---|------------------------------------|--|---|------------------------------------|--|
| 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) | Price 300 mm (12") Length | Price Add'l 150 mm (6") or Fraction | Type E Temp Range -185 to 850°C (-300 to 1600°F) | Price 300 mm (12") Length | Price Add'l 150 mm (6") or Fraction | Type J Temp Range -185 to 750°C (-300 to 1400°F) | Price 300 mm (12") Length | Price Add'l 150 mm (6") or Fraction |
| 14 | XC-14-K-12 | \$21 | \$3 | XC-14-E-12 | \$21 | \$3 | XC-14-J-12 | \$21 | \$3 |
| 20 | XC-20-K-12 | 20 | 2 | XC-20-E-12 | 20 | 2 | XC-20-J-12 | 20 | 2 |
| 24 | XC-24-K-12 | 20 | 2 | XC-24-E-12 | 20 | 2 | XC-24-J-12 | 20 | 2 |

To order longer elements, change "-12" to indicate actual length required. Temperature limitation is by type of thermocouple material selected.
Ordering Example: XC-20-K-12 is a 20 AWG thermocouple, Type K, 12" long with Nextel ceramic fiber insulation, \$20.
Note: Available with silica insulation. Change the "XC" to "XS", no additional cost.

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Your One-Stop Source for Process Measurement and Control!

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