



# High Temperature Wire with Nextel® or Silica Yarn Fiber Insulation



High Accuracy SLE Available

With Color Tracer for Easy Identification

- Nextel 312, rated to 1200°C (2200°F) Continuous, 1425°C (2600°F) Short Term
- Silica Yarn, rated to 1050°C (1900°F) Continuous

Nextel high temperature ceramic insulation is offered with three types of overbraiding. XC is the standard braid, XT is a tight braid and XL is a loose braid. The three braids affect only the amount of Nextel used, not the overall temperature rating.

Silica is a high purity (SiO<sub>2</sub> >99%) yarn, that offers high temperature protection up to 1093°C (2000°F) at an economical price.

Shown actual size.



Shown smaller than actual size.



Not recommended for use in abrasive environments without protection of Inconel® overbraiding or a thermowell

Visit [omega.com/xc\\_xs\\_xt\\_xl\\_wire](http://omega.com/xc_xs_xt_xl_wire) for Pricing and Details

**Available!**

OMEGA will overbraid any thermocouple wire with Inconel 600, 304 SS or tinned copper overbraiding. Both Inconel 600 and SS add durability and abrasion protection.

**Nextel 440, Rated to 1375°C (2500°F) Continuous, 1550°C (2800°F) Short Term**

Model No.	AWG
XC4-K-14-(* )	14
XC4-K-20-(* )	20
XC4-K-24-(* )	24
XC4-E-14-(* )	14
XC4-E-20-(* )	20
XC4-E-24-(* )	24
XC4-J-14-(* )	14
XC4-J-20-(* )	20
XC4-J-24-(* )	24

\* Specify spool length: 25, 50, 100, 200, 500 or 1000'

Ordering Example: XC4-K-24-1000, 1000' NEXTEL 440 high temperature wire.

Spool Pricing meter (feet)
7.5 (25) = Price per 300 (1000) x 0.0625
15 (50) = Price per 300 (1000) x 0.1
30 (100) = Price per 300 (1000) x 0.175
60 (200) = Price per 300 (1000) x 0.3
150 (500) = Price per 300 (1000) x 0.5
300 (1000) = Price per 300 (1000) x 1

T/C TYPE	Model Number	Material	AWG	Max Temp °C	Max Temp °F
E CHROME-GA®-Constantan	XC-E-14	Nextel, standard	14	650	1200
	XC-E-20	Nextel, standard	20	540	1000
	XT-E-20	Nextel, tight	20	540	1000
	XL-E-20	Nextel, loose	20	540	1000
	XC-E-24	Nextel, standard	24	430	800
	XT-E-24	Nextel, tight	24	430	800
	XL-E-24	Nextel, loose	24	430	800
	XS-E-14	Silica	14	650	1200
	XS-E-20	Silica	20	540	1000
	XS-E-24	Silica	24	430	800
K CHROME-GA®-ALOMEGA®	XC-K-14	Nextel, standard	14	1090	2000
	XC-K-20	Nextel, standard	20	980	1800
	XT-K-20	Nextel, tight	20	980	1800
	XL-K-20	Nextel, loose	20	980	1800
	XC-K-24	Nextel, standard	24	870	1600
	XT-K-24	Nextel, tight	24	870	1600
	XL-K-24	Nextel, loose	24	870	1600
	XS-K-14	Silica	14	1090	2000
	XS-K-20	Silica	20	980	1800
	XS-K-24	Silica	24	870	1600
N OMEGA-ALLOY® OMEGA-P® OMEGA-N® NICROSIL NISIL	XC-N-14	Nextel, standard	14	1090	2000
	XC-N-20	Nextel, standard	20	980	1800
	XT-N-20	Nextel, tight	20	980	1800
	XL-N-20	Nextel, loose	20	980	1800
	XC-N-24	Nextel, standard	24	980	1800
	XT-N-24	Nextel, tight	24	980	1800
	XL-N-24	Nextel, loose	24	980	1800
	XS-N-14	Silica	14	1090	2000
	XS-N-20	Silica	20	980	1800
	XS-N-24	Silica	24	980	1800
J Iron-Constantan	XC-J-14	Nextel, standard	14	590	1100
	XC-J-20	Nextel, standard	20	480	900
	XT-J-20	Nextel, tight	20	480	900
	XL-J-20	Nextel, loose	20	480	900
	XC-J-24	Nextel, standard	24	370	700
	XT-J-24	Nextel, tight	24	370	700
	XL-J-24	Nextel, loose	24	370	700
	XS-J-14	Silica	14	590	1100
	XS-J-20	Silica	20	480	900
	XS-J-24	Silica	24	370	700

\* To order special limits of error wire add "-SLE" to model number before spool length.

Ordering Example: XC-K-24-200, Type K wire, 24 AWG Nextel 312 Insulator.

Note: Has color tracers on jacket and conductors.