

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 ($\text{SiO}_2 > 99\%$) 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 for Pricing and Details

Available!

NEWPORT 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
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
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
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.