

Thermocouple Wire Duplex Insulated



New!
"SLE" Special
Limits of Error
Available

ANSI
color
code
shown

To order
IEC color
code see
pg. H-9

K

Duplex Insulated
**CHROME[®]-
ALOMEGA[®]**
Duplex
ANSI Type K

ALL MODELS AVAILABLE FOR FAST DELIVERY!

ANSI Color Code: Positive Wire, Yellow; Negative Wire, Red; Overall, Brown
OMEGA Engineering does not use reprocessed Teflon[®] or PVC in manufacturing thermocouple wire

Insulation	AWG No.	Model Number	Price/1000'	SLE/1000'†††	Type Wire	Insulation		Max. Temp		Nominal Size		Wt. kg/300 m† (lb/1000')
						Conductor	Overall	°C	°F	mm (")		
Ceramic*	14	XC-K-14	\$3250	\$3740	Solid	Nextel Ceramic	Nextel Ceramic	1090	2000	3.6 x 5.0 (0.140 x 0.200)		18 (38)
	20	XC-K-20	2300	2645	Solid	Nextel Ceramic	Nextel Ceramic	980	1800	3.4 x 4.8 (0.135 x 0.190)		8 (16)
	20	XT-K-20	2200	2530	Solid	Nextel Ceramic	Nextel Ceramic	980	1800	2.7 x 3.9 (0.105 x 0.155)		7 (15)
	20	XL-K-20	2150	2475	Solid	Nextel Ceramic	Nextel Ceramic	980	1800	2.4 x 3.4 (0.095 x 0.135)		7 (14)
	24	XC-K-24	2200	2530	Solid	Nextel Ceramic	Nextel Ceramic	870	1600	2.9 x 4.4 (0.115 x 0.175)		6 (12)
	24	XT-K-24	2000	2300	Solid	Nextel Ceramic	Nextel Ceramic	870	1600	2.2 x 3.4 (0.088 x 0.132)		5 (11)
	24	XL-K-24	1950	2245	Solid	Nextel Ceramic	Nextel Ceramic	870	1600	2.0 x 3.0 (0.078 x 0.116)		5 (10)
Vitreous Silica*	20	XR-K-20	1700	1955	Solid	Refrasil	Refrasil	870	1600	2.9 x 4.6 (0.115 x 0.180)		6 (14)
Silica*	14	XS-K-14	2200	2530	Solid	Silica	Silica	1090	2000	3.6 x 5.0 (0.140 x 0.200)		16 (35)
	20	XS-K-20	1300	1495	Solid	Silica	Silica	980	1800	2.7 x 3.9 (0.105 x 0.155)		6 (12)
	24	XS-K-24	1175	1350	Solid	Silica	Silica	870	1600	2.2 x 3.4 (0.088 x 0.132)		5 (10)
High Temp. Glass**	20	HH-K-20	490	565	Solid	High Temp Glass	High Temp Glass	704	1300	1.5 x 2.7 (0.060 x 0.105)		4 (9)
	24	HH-K-24	350	400	Solid	High Temp Glass	High Temp Glass	704	1300	1.4 x 2.3 (0.055 x 0.090)		3 (5)
Glass	20	GG-K-20	410	470	Solid	Glass Braid	Glass Braid	482	900	1.5 x 2.1 (0.060 x 0.095)		4 (9)
	20	GG-K-20S	600	720	7 x 28	Glass Braid	Glass Braid	482	900	1.5 x 2.5 (0.060 x 0.100)		4 (9)
	24	GG-K-24	290	335	Solid	Glass Braid	Glass Braid	482	900	1.3 x 2.0 (0.050 x 0.080)		3 (5)
	24	GG-K-24S	395	475	7 x 32	Glass Braid	Glass Braid	482	900	1.3 x 2.2 (0.050 x 0.085)		3 (5)
	26	GG-K-26	270	310	Solid	Glass Braid	Glass Braid	482	900	1.1 x 1.9 (0.045 x 0.075)		2 (4)
	28	GG-K-28	230	265	Solid	Glass Wrap	Glass Braid	482	900	1.0 x 1.4 (0.040 x 0.055)		2 (3)
	30	GG-K-30	240	275	Solid	Glass Wrap	Glass Braid	482	900	0.9 x 1.3 (0.037 x 0.050)		2 (3)
	36	GG-K-36	320	355	Solid	Glass Wrap	Glass Braid	482	900	0.8 x 1.1 (0.033 x 0.045)		1 (2)
Teflon [®] Glass	30	TG-K-30	530	-	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)		1 (2)
	36	TG-K-36	590	-	Solid	PFA	Glass Braid	260	500	0.7 x 1.0 (0.028 x 0.038)		1 (2)
	40	TG-K-40	650	-	Solid	PFA	Glass Braid	260	500	0.7 x 0.9 (0.026 x 0.035)		1 (2)
Teflon [®] Neoflon PFA (High Performance)	20	TT-K-20	495	575	Solid	PFA	PFA	260	500	1.7 x 3.0 (0.068 x 0.116)		5 (11)
	20	TT-K-20S	755	905	7 x 28	PFA	PFA	260	500	1.9 x 3.2 (0.073 x 0.126)		5 (11)
	22	TT-K-22S	735	880	7 x 30	PFA	PFA	260	500	1.7 x 3.4 (0.065 x 0.133)		4 (9)
	24	TT-K-24	370	425	Solid	PFA	PFA	260	500	1.4 x 2.4 (0.056 x 0.093)		3 (6)
	24	TT-K-24S	515	620	7 x 32	PFA	PFA	260	500	1.6 x 2.6 (0.063 x 0.102)		3 (6)
	30	TT-K-30††	335	370	Solid	PFA	PFA	260	500	0.6 x 1.0 (0.024 x 0.040)		1 (2)
	36	TT-K-36††	375	415	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)		1 (2)
	40	TT-K-40††	500	550	Solid	PFA	PFA	260	500	0.4 x 0.7 (0.017 x 0.026)		1 (2)
Teflon [®] Neoflon FEP	20	FF-K-20	490	565	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.068 x 0.116)		5 (11)
	24	FF-K-24	350	405	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.056 x 0.092)		3 (6)
Polyvinyl	24	PR-K-24	230	265	Solid	Polyvinyl	(Rip Cord)***	105	221	1.4 x 2.3 (0.050 x 0.086)		3 (5)
	24	PP-K-24S	295	355	7 x 32	Polyvinyl	(Polyvinyl)	105	221	2.0 x 3.4 (0.082 x 0.134)		3 (5)

†Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material).

†† Overall color clear

†††To order special limits of error wire, add "-SLE" to model number before spool length

*Has color tracers on jacket and conductors

**HH Wire has trace thread in Positive leg, Negative leg is red, overall has trace thread.

***Two insulated leads bonded together, but with no overlap.

Additional Type K insulated wires are available. See Fused Tape Insulated TFE-K and KK-K Series.

Ordering Example: XC-K-20-SLE-1000, 1000'

(300 m) of Type K duplex insulated special limits of error thermocouple wire, \$1780.

Discount Schedule (1000 ft spools only)

3 to 4 spools	10%
5 to 9 spools	15%
10 to 19 spools	20%

Ceramic Weave Notes

XC: standard ceramic insulation with maximum insulation density

XT: more tightly woven with reduced insulation density

XL: loosely woven with the minimum insulation density

SPOOL PRICING

STANDARD SPOOL LENGTHS

7.5 m (25')	60 m (200')
15 m (50')	150 m (500')
30 m (100')	300 m (1000')

**FOR LONGER LENGTHS
CONSULT SALES FOR
PRICE AND DELIVERY!**

To order standard length spools, multiply the 300 m or 1000' spool price by the multiplier and round to the nearest dollar.

Example: GG-K-20-50, 50' (15 m) spool of GG-K-20 wire = \$410 x 0.1 = \$41

Spool Pricing Guidelines

Multiply 300 m or 1000' spool price by multiplier and round to the nearest dollar. Consult Sales for price quote.

7.5 m or 25'	= Price from Chart x 0.0625
15 m or 50'	= Price from Chart x 0.1
30 m or 100'	= Price from Chart x 0.175
60 m or 200'	= Price from Chart x 0.3
150 m or 500'	= Price from Chart x 0.5
300 m or 1000'	= Price from Chart x 1.0



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