

# Thermocouple Wire

## Duplex Insulated



**"SLE" Special Limits of Error Available**



**K Duplex Insulated CHROME<sup>TM</sup>-ALOMEGA<sup>TM</sup> Duplex ANSI Type K**

**ANSI color code shown** **To order IEC color code visit us online**

**ANSI Color Code:** Positive Wire, Yellow; Negative Wire, Red; Overall, Brown

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (inch)	Wt.† kg/300 m (lb/1000')
				Conductor	Overall	°C	°F		
Ceramic*	14	XC-K-14	Solid	None	None	1090	2000	3.6 x 5.0 (0.140 x 0.200)	18 (38)
	20	XC-K-20	Solid			980	1800	3.4 x 4.8 (0.135 x 0.190)	8 (16)
	20	XT-K-20	Solid			980	1800	2.7 x 3.9 (0.105 x 0.155)	7 (15)
	24	XC-K-24	Solid			870	1600	2.9 x 4.4 (0.115 x 0.175)	6 (12)
	24	XT-K-24	Solid			870	1600	2.2 x 3.4 (0.088 x 0.132)	5 (11)
Vitreous Silica*	20	XR-K-20	Solid	Refrasil	Refrasil	870	1600	2.9 x 4.6 (0.115 x 0.180)	6 (14)
Silica*	14	XS-K-14	Solid	Silica	Silica	1090	2000	3.6 x 5.0 (0.140 x 0.200)	16 (35)
	20	XS-K-20	Solid			980	1800	2.7 x 3.9 (0.105 x 0.155)	6 (12)
	24	XS-K-24	Solid			870	1600	2.2 x 3.4 (0.088 x 0.132)	5 (10)
High Temp. Glass**	20	HH-K-20	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	Solid			704	1300	1.4 x 2.3 (0.055 x 0.090)	3 (5)
Glass	20	GG-K-20	Solid	Glass Braid	Glass Braid	482	900	1.5 x 2.1 (0.060 x 0.095)	4 (9)
	20S	GG-K-20S	7 x 28			482	900	1.5 x 2.5 (0.060 x 0.100)	4 (9)
	24	GG-K-24	Solid			482	900	1.3 x 2.0 (0.050 x 0.080)	3 (5)
	24S	GG-K-24S	7 x 32			482	900	1.3 x 2.2 (0.050 x 0.085)	3 (5)
	26	GG-K-26	Solid			482	900	1.1 x 1.9 (0.045 x 0.075)	2 (4)
	28	GG-K-28	Solid			482	900	1.0 x 1.4 (0.040 x 0.055)	2 (3)
	30	GG-K-30	Solid			482	900	0.9 x 1.3 (0.037 x 0.050)	2 (3)
	36	GG-K-36	Solid			482	900	0.8 x 1.1 (0.033 x 0.045)	1 (2)
Glass with Stainless Steel Overbraid	20	GG-K-20-SB	Solid	Glass	Stainless Steel Braid over Glass	482	900	2.3 x 3.0 (0.090 x 0.120)	6 (14)
	20S	GG-K-20S-SB	7 x 28			482	900	2.3 x 3.2 (0.090 x 0.127)	7 (15)
	24	GG-K-24-SB	Solid			482	900	2.2 x 3.0 (0.085 x 0.117)	5 (11)
	24S	GG-K-24S-SB	7 x 32			482	900	2.0 x 2.8 (0.080 x 0.110)	5 (11)
Kapton Fused Polyimide Tape	20	KK-K-20	Solid	Fused Polyimide Tape	Fused Polyimide Tape	260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	20S	KK-K-20S	7 x 28			260	500	1.5 x 2.7 (0.060 x 0.105)	5 (11)
	24	KK-K-24	Solid			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	24S	KK-K-24S	7 x 32			260	500	1.3 x 2.2 (0.050 x 0.085)	3 (6)
	30	KK-K-30	Solid			260	500	0.6 x 1.1 (0.026 x 0.044)	3 (5)
PFA Glass	30	TG-K-30	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-K-36	Solid			260	500	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-K-40	Solid			260	500	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA (High Performance)	20	TT-K-20	Solid	PFA	PFA	260	500	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	20	TT-K-20S	7 x 28			260	500	1.9 x 3.2 (0.073 x 0.126)	5 (11)
	22	TT-K-22S	7 x 30			260	500	1.7 x 3.4 (0.065 x 0.133)	4 (9)
	24	TT-K-24	Solid			260	500	1.4 x 2.4 (0.056 x 0.093)	3 (6)
	24	TT-K-24S	7 x 32			260	500	1.6 x 2.6 (0.063 x 0.102)	3 (6)
	30	TT-K-30††	Solid			260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-K-36††	Solid			260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-K-40††	Solid			260	500	0.4 x 0.7 (0.017 x 0.026)	1 (2)
PFA Polymer w/Twisted and Shielded Conductors	20	TT-K-20-TWSH	Solid	PFA Polymer	PFA Polymer and Shielding	260	500	3.7 (0.15)	9 (20)
	20S	TT-K-20S-TWSH	7 x 28			260	500	3.8 (0.15)	9 (20)
	24	TT-K-24-TWSH	Solid			260	500	2.7 (0.11)	4 (9)
	24S	TT-K-24S-TWSH	7 x 32			260	500	2.9 (0.12)	4 (9)
Neoflon FEP	20	FF-K-20	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	24	FF-K-24	Solid			200	392	1.7 x 3.0 (0.056 x 0.092)	3 (6)
FEP Polymer w/Twisted and Shielded Conductors	20	FF-K-20-TWSH	Solid	FEP Polymer	FEP Polymer and Shielding	200	392	3.7 (0.15)	9 (20)
	20S	FF-K-20S-TWSH	7 x 28			200	392	3.8 (0.15)	9 (20)
	24	FF-K-24-TWSH	Solid			200	392	2.7 (0.11)	4 (9)
	24S	FF-K-24S-TWSH	7 x 32			200	392	2.9 (0.12)	4 (9)
TFE Tape Polymer	20	TFE-K-20	Solid	TFE Tape Polymer	Fused TFE Tape Polymer	260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	20S	TFE-K-20S	7 x 28			260	500	1.5 x 2.7 (0.060 x 0.105)	5 (11)
	24	TFE-K-24	Solid			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	24S	TFE-K-24S	7 x 32			260	500	1.3 x 2.2 (0.050 x 0.085)	3 (6)
Polyvinyl	24	PR-K-24	Solid	Polyvinyl	(Rip Cord)*** (Polyvinyl)	105	221	1.4 x 2.3 (0.050 x 0.086)	3 (5)
	24	PP-K-24S	7 x 32			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.