

Standard length spools are in 50/ft. increments. Non-standard lengths are available at an extra charge.

Duplex - ASTM/ANSI Type K

ASTM/ANSI Color Code: Negative Wire, Red: Positive Wire, Yellow: Over-all Brown, with Tracer where possible.

CODE	AWG.	CONDUCTOR	INSULATIONS			LIMITS OF ERROR	NOMINAL SIZE (inches)	WEIGHT per 1000 FT. (pounds)
			EACH CONDUCTOR	OUTER JACKET	OVER-ALL			
K14 - 1 - 309	14	Solid	High temp. glass braid	High temp. glass braid		Std.	0.125 x 0.195	39
K20 - 2 - 301	20	Solid	Vitreous silica fiber braid	Vitreous silica fiber braid		Spl.	0.100 x 0.155	16
K20 - 1 - 304	20	Solid	Glass braid	Glass braid		Std.	0.059 x 0.097	8
K20 - 1 - S - 304	20	Solid	Glass braid	Glass braid	Stainless overbraid	Std.	0.080 x 0.119	17
K20 - 1 - 305	20	Solid	Glass wrap	Glass braid		Std.	0.054 x 0.095	8
K20 - 2 - 321	20	Solid	High temp. glass braid	High temp. glass braid		Spl.	0.085 x 0.140	15
K20 - 2 - S - 321	20	Solid	High temp. glass braid	High temp. glass braid	Stainless overbraid	Spl.	0.101 x 0.161	15
K20 - 2 - 350	20	Solid	Ceramic fiber braid	Ceramic fiber braid		Spl.	0.096 x 0.175	16
K20 - 2 - N - 350	20	Solid	Ceramic fiber braid	Ceramic fiber braid	Inconel® overbraid	Spl.	0.126 x 0.166	23
K20 - 1 - 507	20	Solid	Teflon® (FEP) extruded	Teflon® (FEP) extruded		Std.	0.072 x 0.124	11
K20 - 1 - 508	20	Solid	Fused teflon (TFE) tape	Fused Teflon® (TFE) tape		Std.	0.059 x 0.100	10
K20 - 2 - 509	20	Solid	Twisted alum. Mylar®	Twisted alum. Mylar®	Teflon® (FEP)	Spl.	0.132	16
K20 - 2 - 513	20	Solid	Fused Kapton® tape	Fused Kapton® tape		Spl.	0.065 x 0.100	11
K20 - 3 - 302	20	Strd.	Double glass braid	Glass braid		Std.	0.093 x 0.140	9
K20 - 3 - S - 302	20	Strd.	Double glass braid	Glass braid	Stainless overbraid	Std.	0.093 x 0.140	16
K20 - 3 - 304	20	Strd.	Glass braid	Glass braid		Std.	0.077 x 0.113	10
K20 - 3 - 507	20	Strd.	Teflon® (FEP) extruded	Teflon® (FEP) extruded		Std.	0.077 x 0.128	12
K20 - 3 - S - 507	20	Strd.	Teflon® (FEP) extruded	Teflon® (FEP) extruded	Stainless overbraid	Std.	0.110 x 0.130	13
K24 - 1 - 304	24	Solid	Glass braid	Glass braid		Std.	0.047 x 0.081	4
K24 - 1 - 305	24	Solid	Glass wrap	Glass braid		Std.	0.045 x 0.077	4
K24 - 1 - S - 305	24	Solid	Glass wrap	Glass braid	Stainless overbraid	Std.	0.067 x 0.095	13
K24 - 1 - 508	24	Solid	Fused Teflon® (TFE) tape	Fused Teflon® (TFE) tape		Std.	0.047 x 0.078	5
K24 - 3 - S - 305	24	Strd.	Glass braid	Glass braid	Stainless overbraid	Std.	0.070 x 0.100	9

Type K Thermocouple and Extension Wire Conductor Specifications

AWG.	CONDUCTOR DIAMETER		OHMS PER DOUBLE FOOT	
	SOLID (inches)	STRANDED (inches)	SOLID (ohms)	STRANDED (ohms)
14	0.0641	0.0760	0.147	0.134
16	0.0508	0.0600	0.233	0.213
20	0.0320	0.0390	0.590	0.538
24	0.0201	0.0250	1.490	1.435
28	0.0126		3.770	
30	0.0100		5.980	
36	0.0050		24.080	