

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; Overall brown, with Tracer where possible.

CODE	PART NUMBER	AWG.	CONDUCTOR	INSULATIONS			LIMITS OF ERROR	NOMINAL SIZE (inches)	WEIGHT per 1000 FT. (pounds)
				EACH CONDUCTOR	OUTER JACKET	OVERALL			
K20 - 2 - 301	14037	20	Solid	Vitreous silica fiber braid	Vitreous silica fiber braid		Spl.	0.100 x 0.155	16
K20 - 1 - 304	14026	20	Solid	Glass braid	Glass braid		Std.	0.059 x 0.097	8
K20 - 1 - S - 304	14034	20	Solid	Glass braid	Glass braid	Stainless overbraid	Std.	0.080 x 0.119	17
K20 - 1 - 305	14027	20	Solid	Glass wrap	Glass braid		Std.	0.054 x 0.095	8
K20 - 2 - 321	14038	20	Solid	High-temp. glass braid	High-temp. glass braid		Spl.	0.085 x 0.140	15
K20 - 2 - S - 321	14047	20	Solid	High-temp. glass braid	High-temp. glass braid	Stainless overbraid	Spl.	0.101 x 0.161	15
K20 - 2 - 350	14039	20	Solid	Ceramic fiber braid	Ceramic fiber braid		Spl.	0.096 x 0.175	16
K20 - 2 - N - 350	14045	20	Solid	Ceramic fiber braid	Ceramic fiber braid	Alloy 600 overbraid	Spl.	0.126 x 0.166	23
K20 - 2 - 507	14040	20	Solid	FEP extruded	FEP extruded		Spl.	0.072 x 0.124	11
K20 - 1 - 508	14033	20	Solid	Fused TFE tape	Fused TFE tape		Std.	0.059 x 0.100	10
K20 - 2 - 509	14042	20	Solid	FEP extruded	Twisted polyester	FEP	Spl.	0.132	16
K20 - 2 - 513	14044	20	Solid	Fused polyimide tape	Fused polyimide tape		Spl.	0.065 x 0.100	11
K20 - 3 - 302	14048	20	Strd.	Double glass braid	Glass braid		Std.	0.093 x 0.140	9
K20 - 3 - S - 302	14053	20	Strd.	Double glass braid	Glass braid	Stainless overbraid	Std.	0.093 x 0.140	16
K20 - 3 - 304	14049	20	Strd.	Glass braid	Glass braid		Std.	0.077 x 0.113	10
K20 - 3 - 507	14051	20	Strd.	FEP extruded	FEP extruded		Std.	0.077 x 0.128	12
K20 - 3 - S - 507	14056	20	Strd.	FEP extruded	FEP extruded	Stainless overbraid	Std.	0.110 x 0.130	13
K24 - 1 - 304	14063	24	Solid	Glass braid	Glass braid		Std.	0.047 x 0.081	4
K24 - 1 - S - 305	14069	24	Solid	Glass wrap	Glass braid	Stainless overbraid	Std.	0.067 x 0.095	13
K24 - 1 - 508	14067	24	Solid	Fused TFE tape	Fused TFE tape		Std.	0.047 x 0.078	5
K24 - 3 - S - 305	14076	24	Strd.	Glass wrap	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	