

Insulated Thermocouple Wire

ANSI Type J Single Conductor Construction Thermocouple Wire

Individual wires ANSI color code—Negative (JN) wire Red—Positive (JP) wire White

B & S ga.	Conductor Type	Nominal O.D. (inches)	Wire Type	Insulation Each Conductor	Max. Temp		Part Number
					°F	°C	
20	Iron (JP)	.050"	Stranded	Glass Braid	900	482	TCW-104-105
20	Constantan (JN)	.050"	Stranded	Glass Braid	900	482	TCW-105-105
24	Iron (JP)	.036"	Stranded	Glass Braid	900	482	TCW-104-106
24	Constantan (JN)	.036"	Stranded	Glass Braid	900	482	TCW-105-106

ANSI Type K Duplex Insulated Thermocouple Wire

ANSI color code—Yellow positive/Red negative—Over All Brown

“K” Thermocouple Wire – Stocked on 100 and 250 Foot Spools



TC Type	Wire Type	Insulation	Insulation Temperature Limits (°F/°C)	Nominal Overall Dimensions (inches)	Part Number	
					100 Foot Spool	250 Foot Spool
K	20 Gauge Solid	Fiberglass	900/482	.060 × .116	TCWR-1025	TCWR-1029
K	20 Gauge Stranded	Fiberglass	900/482	.066 × .118	TCWR-1034	TCWR-1036
K	24 Gauge Solid	Fiberglass	900/482	.044 × .074	TCWR-1039	TCWR-1071
K	24 Gauge Stranded	Fiberglass	900/482	.050 × .082	TCWR-1040	TCWR-1072
K	20 Gauge Stranded	Fiberglass with SS overbraid	900/482	.088 × .140	TCWR-1049	TCWR-1053
K	20 Gauge Solid	FEP Teflon®	400/204	.068 × .116	TCWR-1061	TCWR-1063
K	24 Gauge Stranded	Fiberglass with SS overbraid	900/482	.074 × .100	TCWR-1050	TCWR-1054

“K” Thermocouple Wire – Order Length Required (50 Foot Minimum)

B & S ga.	Wire Type	Insulation Over All	Insulation Each Conductor	Maximum Temp.		Nominal Overall Dimensions (inches)	Part Number
				°F	°C		
20	Solid	Hi-temp Glass Braid	Hi-temp Glass Braid	1400	760	.086 × .136	TCW-103-113
20	Solid	Amber colored Kapton® tape	Color coded Kapton® tape	500	260	.055 × .099	TCW-103-110
24	Solid	Glass Braid	Double Glass wrap	900	482	.043 × .074	TCW-103-111
24	Solid	Rip-cord construction	PVC (extruded)	221	105	.046 × .092	TCW-103-116
24	Solid	FEP Teflon®	FEP Teflon®	400	204	.056 × .092	TCW-103-123
24	Solid	Glass Braid w/ SS Braid	Glass Braid	900	482	.074 × .100	TCW-103-117
30	Solid	Glass Braid	Double Glass wrap	900	482	.033 × .054	TCW-103-112

ANSI Type K Special Limits Duplex Insulated Thermocouple Wire

B & S ga.	Wire Type	Insulation Over All	Insulation Each Conductor	Maximum Temp.		Nominal Overall Dimensions (inches)	Part Number
				°F	°C		
20	Solid	<i>NOT COLOR CODED</i> Vitreous Silica Braid	<i>NOT COLOR CODED</i> Vitreous Silica Braid	1600-2300	871-1260	.092 × .154	TCW-103-114
20	Solid	<i>NOT COLOR CODED</i> Ceramic Fiber Braid	<i>NOT COLOR CODED</i> Ceramic Fiber Braid	2200-2600	1204-1427	.092 × .154	TCW-103-115