

TFE and Kapton Insulated Thermocouple Wire

TFE Insulated Thermocouple Wire



Duplex Insulated

Color coded TFE tape applied to conductors and jacket. Superior abrasion, moisture and chemical resistance.

ANSI Color Code:

Type J: Positive Wire, White; Negative Wire, Red; Overall, Brown

Type K: Positive Wire, Yellow; Negative Wire, Red; Overall, Brown

Type T: Positive Wire, Blue; Negative Wire, Red; Overall, Brown

Type E: Positive Wire, Purple; Negative Wire, Red; Overall, Brown

MOST POPULAR MODELS HIGHLIGHTED
ALL MODELS IN STOCK FOR FAST DELIVERY!

Calibration	AWG No.	Model Number	Price 1000'	Type Wire	Insulation		Max. Temp		Nominal Size mm (")	Wt. [†] lb/1000'
					Conductor	Overall	°F	°C		
J Iron - Constantan	20	TFE-J-20	\$375	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.54 (.060 x .100)	11
	20S	TFE-J-20S	475	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.66 (.060 x .105)	11
	24	TFE-J-24	285	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 1.90 (.050 x .075)	6
	24S	TFE-J-24S	335	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 2.16 (.050 x .085)	6
K CHROMEKA® - ALOMEGA®	20	TFE-K-20	475	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.54 (.060 x .100)	11
	20S	TFE-K-20S	735	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.66 (.060 x .105)	11
	24	TFE-K-24	350	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 1.90 (.050 x .075)	6
	24S	TFE-K-24S	475	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 2.16 (.050 x .085)	6
T Copper - Constantan	20	TFE-T-20	375	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.54 (.060 x .100)	11
	20S	TFE-T-20S	475	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.66 (.060 x .105)	11
	24	TFE-T-24	285	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 1.90 (.050 x .075)	6
	24S	TFE-T-24S	335	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 2.16 (.050 x .085)	6
E CHROMEKA® - Constantan	20	TFE-E-20	550	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.54 (.060 x .100)	11
	20S	TFE-E-20S	735	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.52 x 2.66 (.060 x .105)	11
	24	TFE-E-24	425	Solid	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 1.90 (.050 x .075)	6
	24S	TFE-E-24S	520	7 x 32	Fused TFE Tape	Fused TFE Tape	500	260	1.27 x 2.16 (.050 x .085)	6

[†]Weight of spool and wire rounded up to the next highest lb.; does not include packing material.

Kapton® Insulated Thermocouple Wire

Duplex Insulated

Fused Kapton tape applied to conductors and jackets. Excellent moisture and abrasion resistance, high dielectric strength (7 kV/mil) retains much physical integrity after gamma radiation. FEP is used as adhesive binding agent (melts at approx. 500°F)

IN STOCK FOR FAST DELIVERY!

Calibration	AWG No.	Model Number	Price 1000'	Type Wire	Insulation		Max. Temp		Nominal Size mm (")	Wt. [†] lb/1000'
					Conductor	Overall	°F	°C		
J Iron - Constantan	20	KK-J-20	\$725	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.52 x 2.54 (.060 x .100)	11
	20	KK-J-20S	925	7 x 32	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.52 x 2.66 (.060 x .105)	11
	24	KK-J-24	600	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.27 x 1.90 (.050 x .075)	6
	24	KK-J-24S	750	7 x 32	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.27 x 2.16 (.050 x .085)	6
	30	KK-J-30	650	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.01 x 1.39 (.040 x .055)	5
K CHROMEKA® - ALOMEGA®	20	KK-K-20	775	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.52 x 2.54 (.060 x .100)	11
	20	KK-K-20S	975	7 x 32	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.52 x 2.66 (.060 x .105)	11
	24	KK-K-24	625	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.27 x 1.90 (.050 x .075)	6
	24	KK-K-24S	775	7 x 32	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.27 x 2.16 (.050 x .085)	6
	30	KK-K-30	640	Solid	Fused Polyimide Tape	Fused Polyimide Tape	600	316	1.01 x 1.39 (.040 x .055)	5

Note: Kapton wire is not ANSI color coded

OMEGA can cover any insulated wire in our handbook with metal overbraiding to protect against wear and abrasion. Overbraiding adds durability and electrical shielding for improved performance.