



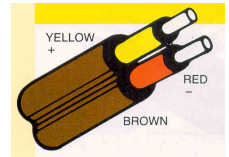
“OMEGA” Thermocouple Wire & Assemblies Made in USA

Thermocouple Wire, Duplex Insulated

K

ANSI Type K
Nickel-Chromium (Ni-Cr)
Nickel-Aluminum (Ni-Al)

Color Label	
Red	Yellow
-	+

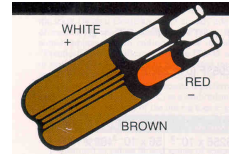


Model	Insulation	AWG no.	Maximum temperature	Nominal Size (in)
HH-K-24	High Temp. Glass Braid	24	1300°F/704°C	0.055 x 0.090
GG-K-24	Glass Braid	24	900°F/482°C	0.050 x 0.080
GG-K-30		30	900°F/482°C	0.045 x 0.070
GG-K-36		36	900°F/482°C	0.045 x 0.070
TT-K-24	Teflon or Neoflon	24	500°F/260°C	0.056 x 0.093
TT-K-30		30	500°F/260°C	0.024 x 0.040
TT-K-36		36	500°F/260°C	0.019 x 0.030

J

ANSI Type J
Iron-Constantan (Fe-Cu-Ni)

Color Label	
White	Red
+	-

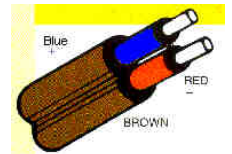


Model	Insulation	AWG no.	Maximum temperature	Nominal Size (in)
GG-J-30	Glass Braid	30	600°F/320°C	0.045 x 0.070
TT-T-30	Teflon or Neoflon	30	500°F/260°C	0.034 x 0.047

T

ANSI Type T
Cu-Constantan (Cu-Cu-Ni)

Color Label	
Blue	Red
+	-



Model	Insulation	AWG no.	Maximum temperature	Nominal Size (in)
TT-T-30	Teflon or Neoflon	30	300°F/150°C	0.024x0.04 0

Subminiature Connectors

Model		Alloy Combination	Case		
Female connector (F)	Male connector (M)		+	-	Color
SMPW-K-F	SMPW-K-M	K	Ni-Cr	Ni-Cr	Yellow
SMPW-J-F	SMPW-J-M	J	F	Cu-Ni	Black
SMPW-T-F	SMPW-T-M	T	Cu	Cu-Ni	Blue



* Type E & N wire and connector are also available.

OSW Standard Thermocouple Switches

➤ 2 poles, Break Before Make

Model		Number of points:	Size
Silver Plated Contacts	Gold Plated Contacts		
OSW3-20	OSWG3-20	20	3"
OSW5-30	OSWG5-30	30	5"
OSW5-40	OSWG5-40	40	5"



Conductor Size Equivalents

Gage No.	AWG	SWG
20	0.0320 in / 0.813 mm	0.0360 in / 0.914 mm
24	0.0201 in / 0.511 mm	0.0220 in / 0.559 mm
30	0.0100 in / 0.254 mm	0.0124 in / 0.315 mm
36	0.0050 in / 0.127 mm	0.0076 in / 0.193 mm



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