

Fine Wire Duplex Insulated OMEGA™ Thermocouple Wire

"SLE" Special Limits of Error Available

ANSI color code shown To order IEC color code visit us online

- ✓ 30, 36, and 40 Gage
- ✓ Convenient Spool Lengths 25, 50, 100, 200, 500, 1000 ft.
- ✓ ANSI Special Limits of Error and EN 60584-2 Tolerance Class 1 Rating Available on Most Models



Insulation Code	Insulation		Range Insulation
	Overall	Conductors	
TT	PFA or Neoflon	PFA or Neoflon	-267 to 260°C -450 to 500°F
KK	Kapton	Kapton	-267 to 260°C -450 to 500°F
TG	Glass Braid	PFA or Neoflon	-73 to 260°C -100 to 500°F
GG	Glass	Glass	-73 to 482°C

K Duplex Insulated CHROME™-ALOMEGA™ Duplex ANSI Type K

Shown smaller than actual size.

ANSI Color Code: Positive Wire, Yellow; Negative Wire, Red; Overall, Brown

To Order									
Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (in)	Wt.†/1000' kg (lb)
				Conductor	Overall	°C	°F		
Glass	30	GG-K-30	Solid	Glass Wrap	Glass Braid	482	900	0.9 x 1.3 (0.037 x 0.050)	2 (3)
	36	GG-K-36	Solid	Glass Wrap	Glass Braid	482	900	0.8 x 1.1 (0.033 x 0.045)	(2)
PFA Glass	30	TG-K-30	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-K-36	Solid	PFA	Glass Braid	260	500	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-K-40	Solid	PFA	Glass Braid	260	500	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA	30	TT-K-30††	Solid	PFA	PFA	260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-K-36††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-K-40††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.017 x 0.026)	1 (2)
Kapton®	30	KK-K-30	Solid	Fused Polyimide Tape	Fused Polyimide Tape	260	500	0.6 x 1.1 (0.026 x 0.044)	3 (6)

* Note: Kapton wire is not IEC or ANSI color coded.

† Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material).

†† Overall color clear.

** To order special limits of error wire, add "SLE" to model number before spool length.

Ordering Example: TT-K-30-SLE-1000, 1000' of Special Limits of Error PFA duplex insulated thermocouple wire.

T Duplex Insulated Copper-Constantan Duplex ANSI Type T

ANSI Color Code: Positive Wire, Blue; Negative Wire, Red; Overall, Brown

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (in)	Wt.†/1000' kg (lb)
				Conductor	Overall	°C	°F		
Glass	30	GG-T-30	Solid	Glass Wrap	Glass Braid	150	300	0.9 x 1.3 (0.037 x 0.050)	2 (3)
PFA Glass	30	TG-T-30	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-T-36	Solid	PFA	Glass Braid	260	500	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-T-40	Solid	PFA	Glass Braid	260	500	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA	30	TT-T-30††	Solid	PFA	PFA	150	300	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-T-36††	Solid	PFA	PFA	150	300	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-T-40††	Solid	PFA	PFA	150	300	0.5 x 0.8 (0.017 x 0.026)	1 (2)

† Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material). †† Overall color clear.

** To order special limits of error wire, add "SLE" to model number before spool length.

Ordering Example: TT-T-30-SLE-1000, 1000' of Special Limits of Error PFA duplex insulated thermocouple wire.

J Duplex Insulated Iron-Constantan Duplex ANSI Type J

ANSI Color Code: Positive Wire, White; Negative Wire, Red; Overall, Brown

To Order									
Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (in)	Wt.†/1000' kg (lb)
				Conductor	Overall	°C	°F		
Glass	30	GG-J-30	Solid	Glass Wrap	Glass Braid	316	600	0.9 x 1.3 (0.037 x 0.050)	2 (3)
	36	GG-J-36	Solid	Glass Wrap	Glass Braid	316	600	0.8 x 1.1 (0.033 x 0.043)	1 (2)
PFA and Glass	30	TG-J-30	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-J-36	Solid	PFA	Glass Braid	260	500	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-J-40	Solid	PFA	Glass Braid	260	500	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA	30	TT-J-30††	Solid	PFA	PFA	260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-J-36††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-J-40††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
Kapton	30	KK-J-30	Solid	Fused Polyimide Tape	Fused Polyimide Tape	260	500	0.6 x 1.1 (0.026 x 0.044)	3 (6)

* Note: Kapton wire is not IEC or ANSI color coded
 † Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material). †† Overall color clear.
 ** To order special limits of error wire, add "-SLE" to model number before spool length
 Ordering Example: TT-J-30-SLE-1000, 1000' of Special Limits of Error PFA duplex insulated thermocouple wire.

E Duplex Insulated CHROMEGA™-Constantan Duplex ANSI Type E

ANSI Color Code: Positive Wire, Purple; Negative Wire, Red; Overall, Brown

To Order									
Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (in)	Wt.†/1000' kg (lb)
				Conductor	Overall	°C	°F		
Glass	30	GG-E-30	Solid	Glass Wrap	Glass Braid	320	700	0.9 x 1.3 (0.037 x 0.050)	2 (3)
	36	GG-E-36	Solid	Glass Wrap	Glass Braid	320	700	0.8 x 1.1 (0.033 x 0.043)	1 (2)
Neoflon PFA	30	TT-E-30††	Solid	PFA	PFA	260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-E-36††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-E-40††	Solid	PFA	PFA	260	500	0.5 x 0.8 (0.019 x 0.030)	1 (2)

† Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material).
 †† Overall color clear.
 ** To order special limits of error wire, add "-SLE" to model number before spool length.
 Ordering Example: TT-E-30-SLE-1000, 1000 ft of Special Limits of Error PFA duplex insulated thermocouple wire.

N OMEGALLOY™ OMEGA-P™ vs. OMEGA-N™ (Nicrosil-Nisil) ANSI Type N

ANSI Color Code: Positive Wire, Orange; Negative Wire, Red; Overall, Brown

To Order									
Insulation	AWG No.	Model Number	Type Wire	Insulation		Max. Temp		Nominal Size mm (in)	Wt.†/1000' kg (lb)
				Conductor	Overall	°C	°F		
Glass	30	GG-N-30	Solid	Glass Wrap	Glass Braid	482	900	0.9 x 1.3 (0.037 x 0.050)	2 (3)
PFA Glass	30	TG-N-30	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	1 (2)
PFA	30	TT-N-30††	Solid	PFA	PFA	260	500	0.6 x 1.0 (0.024 x 0.040)	1 (2)

† Weight of spool and wire rounded to the next highest kg (lb) (does not include packing material).
 †† Overall color clear.
 ** To order special limits of error wire, add "-SLE" to model number before spool length.
 Ordering Example: TT-N-30-SLE-1000, 1000' of Special Limits of Error PFA duplex insulated thermocouple wire.