

Thermocouple Wire



**Duplex Insulated
Copper-Constantan
Duplex
ANSI Type T**

**"SLE" Special
Limits of Error
Available**



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

OMEGA Engineering does not use reprocessed PFA or PVC in manufacturing thermocouple wire

**MOST POPULAR
MODELS HIGHLIGHTED!**

Insulation	AWG No.	Model Number	Type Wire	Insulation		Max Temp		Nominal Size mm (inches)	Wt. kg/300 m [†] (lb/1000')
				Conductor	Overall	°C	°F		
Glass	20	GG-T-20	Solid	Glass Braid		260	500	1.5 x 2.4 (0.060 x 0.095)	4 (9)
	20	GG-T-20S	7 x 28	Glass Braid		260	500	1.5 x 2.5 (0.060 x 0.100)	4 (9)
	24	GG-T-24	Solid	Glass Braid		200	400	1.3 x 2.0 (0.050 x 0.080)	3 (5)
	24	GG-T-24S	7 x 32	Glass Braid	Glass Braid	200	400	1.3 x 2.2 (0.050 x 0.085)	3 (5)
	26	GG-T-26	Solid	Glass Braid		200	400	1.1 x 1.9 (0.045 x 0.075)	2 (4)
	28	GG-T-28	Solid	Glass Wrap		200	400	1.0 x 1.4 (0.040 x 0.055)	2 (3)
	30	GG-T-30	Solid	Glass Wrap		150	300	0.9 x 1.3 (0.037 x 0.050)	2 (3)
Glass with Stainless Steel Overbraid	20	GG-T-20-SB	Solid			482	900	2.2 x 3.0 (0.090 x 0.120)	6 (14)
	24	GG-T-24-SB	Solid	Glass	SS Braid Over Glass	482	900	2.2 x 3.0 (0.085 x 0.117)	5 (11)
Kapton Polyimide Tape	20	KK-T-20	Solid	Fused Polyimide Tape	Fused Polyimide Tape	316	600	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	24	KK-T-24	Solid			316	600	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	30	KK-T-30	Solid			316	600	1.0 x 1.4 (0.040 x 0.055)	3 (5)
PFA Glass	30	TG-T-30	Solid			150	300	0.9 x 1.2 (0.034 x 0.047)	1 (2)
	36	TG-T-36	Solid	PFA	Glass Braid	150	300	0.7 x 1.0 (0.028 x 0.038)	1 (2)
	40	TG-T-40	Solid			150	300	0.7 x 0.9 (0.026 x 0.035)	1 (2)
Neoflon PFA (High Performance)	20	TT-T-20	Solid			260	500	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	20	TT-T-20S	7 x 28			260	500	1.9 x 3.2 (0.073 x 0.126)	5 (11)
	22	TT-T-22S	7 x 30			260	500	1.7 x 3.4 (0.065 x 0.133)	4 (9)
	24	TT-T-24	Solid	PFA	PFA	200	400	1.4 x 2.4 (0.056 x 0.092)	3 (7)
	24	TT-T-24S	7 x 32			200	400	1.6 x 2.6 (0.063 x 0.102)	3 (7)
	30	TT-T-30 ^{††}	Solid			150	300	0.6 x 1.0 (0.024 x 0.040)	1 (2)
	36	TT-T-36 ^{††}	Solid			150	300	0.5 x 0.8 (0.019 x 0.030)	1 (2)
	40	TT-T-40 ^{††}	Solid			150	300	0.4 x 0.7 (0.017 x 0.026)	1 (2)
PFA Polymer w/Twisted and Shielded Conductors	20	TT-T-20-TWSH	Solid			260	500	3.7 (0.15)	9 (20)
	20S	TT-T-20S-TWSH	7 x 28	PFA Polymer	PFA Polymer and Shielding	260	500	3.8 (0.15)	9 (20)
	24	TT-T-24-TWSH	Solid			260	500	2.7 (0.11)	4 (9)
	24S	TT-T-24S-TWSH	7 x 32			260	500	2.9 (0.12)	4 (9)
Neoflon FEP	20	FF-T-20	Solid	FEP	FEP	200	392	1.7 x 3.0 (0.068 x 0.116)	5 (11)
	24	FF-T-24	Solid			200	392	1.4 x 2.4 (0.056 x 0.092)	3 (7)
FEP Polymer w/Twisted and Shielded Conductors	20	FF-T-20-TWSH	Solid			200	392	3.7 (0.15)	9 (20)
	20S	FF-T-20S-TWSH	7 x 28	FEP Polymer	FEP Polymer and Shielding	200	392	3.8 (0.15)	9 (20)
	24	FF-T-24-TWSH	Solid			200	392	2.7 (0.11)	4 (9)
	24S	FF-T-24S-TWSH	7 x 32			200	392	2.9 (0.12)	4 (9)
TFE Tape Polymer	20	TFE-T-20	Solid			260	500	1.5 x 2.5 (0.060 x 0.100)	5 (11)
	20S	TFE-T-20S	7 x 28	TFE Tape Polymer	Fused TFE Tape Polymer	260	500	1.5 x 2.7 (0.060 x 0.105)	5 (11)
	24	TFE-T-24	Solid			260	500	1.3 x 1.9 (0.050 x 0.075)	3 (6)
	24S	TFE-T-24S	7 x 32			260	500	1.3 x 2.2 (0.050 x 0.085)	3 (6)
Polyvinyl	24	PP-T-24	Solid			105	221	1.9 x 3 (0.075 x 0.120)	5 (10)
	24	PP-T-24S	7 x 32	Polyvinyl	Polyvinyl Polyvinyl ^{..} (Rip Cord)	105	221	1.9 x 3.1 (0.080 x 0.130)	5 (10)
	24	PR-T-24	Solid			105	221	1.3 x 2.2 (0.050 x 0.086)	3 (5)

Discount Schedule (1000 ft spools only)

3 to 4 spools10%
5 to 9 spools15%
10 to 19 spools20%

Spool Pricing Guidelines

Multiply 300 m or 1000' spool price by multiplier and round to the nearest dollar. Consult Sales for price quote.

7.5 m or 25'	= Price from Chart	x	0.0625
15 m or 50'	= Price from Chart	x	0.1
30 m or 100'	= Price from Chart	x	0.175
60 m or 200'	= Price from Chart	x	0.3
150 m or 500'	= Price from Chart	x	0.5
300 m or 1000'	= Price from Chart	x	1.0

See Fused Tape Insulated TFE-T Series.

** Two insulated leads bonded together, but with no overjacket.

† Weight of spool and wire rounded to the next highest lb.

(does not include packing material).

†† Overall color clear, ††† To order special limits of error wire, add

"-SLE" to model number before spool length.