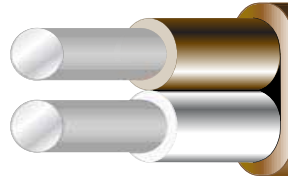


# Thermocouple Wire Duplex Insulated

**New!  
Class 1  
Tolerance  
Available**

**WIRE**



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

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

IEC Colour Code: Positive Wire, Brown; Negative Wire, White; Overall, Brown  
OMEGA Engineering does not use reprocessed PFA or PVC in manufacturing thermocouple wire.

Insulation	AWG No.	Model Number	Price 300M	Class 1 †††	Conductor dia. mm	Insulation		Max. Temp		Nominal Size mm	Wt.† kg/300 m
						Conductor	Overall	°C	°F		
Glass	20	GG-TI-20	£238	£288	0.8	Glass Braid	Glass Braid	260	500	1.5 x 2.4	4
	20	GG-TI-20S	308	369	7 x 0.32	Glass Braid	Glass Braid	260	500	1.5 x 2.5	4
	24	GG-TI-24	178	204	0.5	Glass Braid	Glass Braid	200	400	1.3 x 2.0	3
	24	GG-TI-24S	281	335	7 x 0.2	Glass Braid	Glass Braid	200	400	1.3 x 2.2	3
	26	GG-TI-26	154	188	0.4	Glass Wrap	Glass Braid	200	400	1.1 x 1.9	2
	28	GG-TI-28	148	171	0.32	Glass Wrap	Glass Braid	200	400	1.0 x 1.4	2
	30	GG-TI-30	151	181	0.25	Glass Wrap	Glass Braid	150	300	0.9 x 1.3	2
PFA (High Performance)	20	TT-TI-20	305	345	0.8	PFA	PFA	260	500	1.7 x 3.0	5
	20	TT-TI-20S	399	479	7 x 0.32	PFA	PFA	260	500	1.9 x 3.2	5
	22	TT-TI-22S	389	466	7 x 0.25	PFA	PFA	260	500	1.7 x 3.4	4
	24	TT-TI-24	248	278	0.5	PFA	PFA	200	400	1.4 x 2.4	3
	24	TT-TI-24S	268	325	7 x 0.2	PFA	PFA	200	400	1.6 x 2.6	3
	30	TT-TI-30††	262	281	0.25	PFA	PFA	150	300	0.6 x 1.0	1
	36	TT-TI-36††	302	332	0.13	PFA	PFA	150	300	0.5 x 0.8	1
Polyvinyl	24	PP-TI-24	178	204	0.5	Polyvinyl	Polyvinyl	105	221	1.9 x 3.0	5
	24	PP-TI-24S	224	268	7 x 0.2	Polyvinyl	Polyvinyl	105	221	1.9 x 3.1	5
	24	PR-TI-24	104	117	0.5	Polyvinyl	None***	105	221	1.3 x 2.2	3

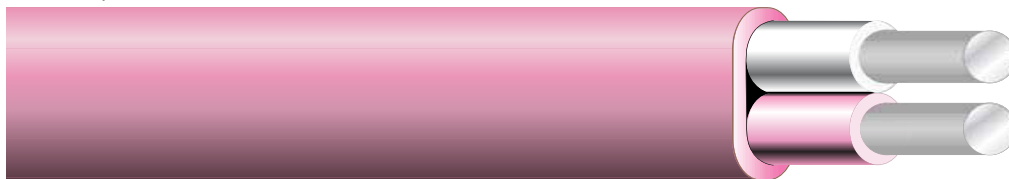
†Additional Type T insulated wires are available.

See Fused Tape Insulated TFE-T Series. \*\*Two insulated leads bonded together, but with no overjacket.

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

††Overall colour clear, †††To order class 1 tolerance wire, add "-SLE" to model number before spool length.

Ordering Example: TT-TI-24-SLE-300M, 300 m of Type T duplex insulated class 1 tolerance thermocouple wire, £278.



**FOR LONGER LENGTHS CONSULT  
SALES FOR PRICE AND  
DELIVERY!**

**N** OMEGALLOY™  
OMEGA-P™, OMEGA-N™  
Nicrosil-Nisil  
Duplex IEC Type N

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

IEC Colour Code: Positive Wire, Pink; Negative Wire, White; Overall, Pink  
OMEGA Engineering does not use reprocessed PFA or PVC in manufacturing thermocouple wire.

Insulation	AWG No.	Model Number	Price 300M	Class 1 †††	Conductor dia. mm	Insulation		Max. Temp		Nominal Size mm	Wt.† kg/300 m
						Conductor	Overall	°C	°F		
Silica*	14	XS-NI-14	£1695	£1950	1.63	Silica	Silica	1090	2000	3.6 x 5.0	8
	20	XS-NI-20	995	1145	0.8	Silica	Silica	980	1800	2.7 x 3.9	3
	24	XS-NI-24	885	1020	0.5	Silica	Silica	980	1800	2.2 x 3.4	3
High-Temp. Glass	20	HH-NI-20	515	595	0.8	High-Temp Glass	High-Temp Glass	704	1300	1.5 x 2.7	2
	24	HH-NI-24	338	389	0.5	High-Temp Glass	High-Temp Glass	704	1300	1.4 x 2.3	1
Glass	20	GG-NI-20	439	505	0.8	Glass Braid	Glass Braid	482	900	1.5 x 2.1	2
	24	GG-NI-24	281	325	0.5	Glass Braid	Glass Braid	482	900	1.3 x 2.0	1
	30	GG-NI-30	195	225	0.25	Glass Braid	Glass Braid	482	900	0.9 x 1.3	1
PFA	20	TT-NI-20	535	615	0.8	PFA	PFA	260	500	1.7 x 3.0	3
	24	TT-NI-24	365	419	0.5	PFA	PFA	260	500	1.4 x 2.4	2
	30	TT-NI-30††	255	292	0.25	PFA	PFA	260	500	1.7 x 3.4	0.5

\* Has colour tracers on jacket and conductors. \*\* HH wire has trace thread in positive leg, negative leg is white, overall has trace thread.

† Weight of reel and wire rounded to the next highest kg/lb; does not include packaging material. †† Overall colour clear.

††† To order class 1 tolerance, add "-SLE" to model number before reel length.

Ordering Example: GG-NI-24-SLE-300M, 300 m of Type N duplex insulated class 1 tolerance thermocouple wire, £325.

Fine Diameter Bare Wire		OMEGALLOY™	
Material	Wire Dia. mm	Model Number	Price 15 m Spools
OMEGA-P™ Nicrosil	0.076	SPOP-003-50	£14.75
	0.13	SPOP-005-50	10.00
	0.25	SPOP-010-50	10.00
	0.50	SPOP-020-50	16.75
	0.81	SPOP-032-50	18.00
OMEGA-N™ Nisil	0.076	SPON-003-50	£14.75
	0.13	SPON-005-50	10.00
	0.25	SPON-010-50	10.00
	0.50	SPON-020-50	16.75
	0.81	SPON-032-50	18.00

**Available!**



OMEGA will overbraid any thermocouple wire with Inconel 600, 304 SS or tinned copper overbraiding. Both Inconel 600 and SS add durability and abrasion protection. Please see page H-10.



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA

Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)

1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany

0800-8266342

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England

0800-488-488

#### FRANCE

[www.omega.fr](http://www.omega.fr)

088-466-342

#### CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic

596-311-899

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters