

Thermocouple Wire

Duplex Insulated



ANSI color code shown To order IEC color code visit omega.com

OMEGALLOY®
OMEGA-P®-OMEGA-N®
 Nicrosil-Nisil
 Duplex ANSI Type N

MOST POPULAR MODELS HIGHLIGHTED!

ANSI Color Code: Positive Wire, Orange; Negative Wire, Red; Overall, Brown
 OMEGA Engineering does not use reprocessed PFA or PVC in manufacturing thermocouple wire.

Duplex Insulated Wire											
Insulation	AWG No.	Model Number	Price/1000'	SLE/1000' ^{†††}	Type Wire	Insulation		Max. Temp		Nominal Size mm	Wt. † kg/300m (lb/1000')
						Conductor	Overall	°C	°F		
Ceramic*	14	XC-N-14	\$3850	\$4430	Solid	Nextel Ceramic	Nextel Ceramic	1090	2000	3.6 x 5.0 (0.140 x 0.200)	8 (18)
	20	XC-N-20	2640	3035	Solid			980	1800	3.4 x 4.8 (0.135 x 0.190)	4 (8)
	20	XT-N-20	2530	2910	Solid			980	1800	2.7 x 3.9 (0.105 x 0.155)	3 (7)
	20	XL-N-20	2475	2850	Solid			980	1800	2.4 x 3.4 (0.095 x 0.135)	3 (7)
	24	XC-N-24	2640	3035	Solid			980	1800	2.9 x 4.4 (0.115 x 0.175)	3 (6)
	24	XT-N-24	2420	2785	Solid			980	1800	2.2 x 3.4 (0.088 x 0.132)	3 (5)
Silica*	14	XS-N-14	2530	2910	Solid	Silica	Silica	1090	2000	3.6 x 5.0 (0.140 x 0.200)	8 (16)
	20	XS-N-20	1485	1710	Solid			980	1800	2.7 x 3.9 (0.105 x 0.155)	3 (6)
	24	XS-N-24	1320	1520	Solid			980	1800	2.2 x 3.4 (0.088 x 0.132)	3 (5)
High Temp. Glass**	20	HH-N-20	765	885	Solid	High Temp Glass	High Temp Glass	704	1300	1.5 x 2.7 (0.060 x 0.105)	2 (4)
	24	HH-N-24	505	580	Solid			704	1300	1.4 x 2.3 (0.055 x 0.090)	1 (3)
Glass	20	GG-N-20	655	755	Solid	Glass Braid	Glass Braid	482	900	1.5 x 2.1 (0.060 x 0.095)	2 (4)
	20	GG-N-20S	960	1150	7 x 28	Glass Braid		482	900	1.5 x 2.5 (0.060 x 0.100)	4 (9)
	24	GG-N-24	420	485	Solid	Glass Braid		482	900	1.3 x 2.0 (0.050 x 0.080)	1 (3)
	24	GG-N-24S	525	635	7 x 32	Glass Braid		260	500	1.3 x 2.2 (0.050 x 0.085)	3 (5)
	30	GG-N-30	290	335	Solid	Glass Wrap		482	900	0.9 x 1.3 (0.037 x 0.050)	1 (2)
PFA Glass	30	TG-N-30	530	-	Solid	PFA	Glass Braid	260	500	0.9 x 1.2 (0.034 x 0.047)	0.5 (1)
PFA Neoflon	20	TT-N-20	795	915	Solid	PFA	PFA	260	500	1.7 x 3.0 (0.068 x 0.116)	3 (5)
	20	TT-N-20S	1210	1435	7 x 28			260	500	1.9 x 3.2 (0.073 x 0.126)	5 (11)
	24	TT-N-24	545	625	Solid			260	500	1.4 x 2.4 (0.056 x 0.093)	2 (3)
	24	TT-N-24S	760	915	7 x 24			260	500	1.6 x 2.6 (0.063 x 0.102)	3 (6)
	30	TT-N-30^{††}	380	435	Solid			260	500	0.6 x 1.0 (0.024 x 0.040)	0.5 (1)

* Has color tracers on jacket and conductors. ** HH Wire has trace thread in Positive leg, Negative leg is red, overall has trace thread.

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

†† Overall color clear.

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

Ordering Examples: **GG-N-24-SLE-1000**, 1000' (300 m) of Type N duplex insulated special limits of error thermocouple wire, \$485.

TT-N-20-1000, 1000' (300 m) of Type N duplex insulated thermocouple wire, \$795.

Fine Diameter Bare Wire OMEGALLOY®			
Material	Wire Dia. mm (in)	Model Number	Price 15 m (50') Spools
OMEGA-P® Nicrosil	0.076 (0.003)	SPOP-003-50	\$16
	0.13 (0.005)	SPOP-005-50	12
	0.25 (0.010)	SPOP-010-50	12
	0.50 (0.020)	SPOP-020-50	23
	0.81 (0.032)	SPOP-032-50	25
OMEGA-N® Nisil	0.076 (0.003)	SPON-003-50	\$16
	0.13 (0.005)	SPON-005-50	12
	0.25 (0.010)	SPON-010-50	12
	0.50 (0.020)	SPON-020-50	23
	0.81 (0.032)	SPON-032-50	25

Spool Pricing Guidelines	
Multiply 300 m or 1000' spool price by multiplier and round to nearest dollar or Consult Sales.	
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

FOR LONGER LENGTHS CONSULT SALES FOR PRICE AND DELIVERY!

Note: Published prices are based on market value at time of printing and are subject to change due to Nickel surcharges, Chromium and precious-metal market fluctuations.

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-43.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, 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, Wire

• 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, Strain Gages, 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