

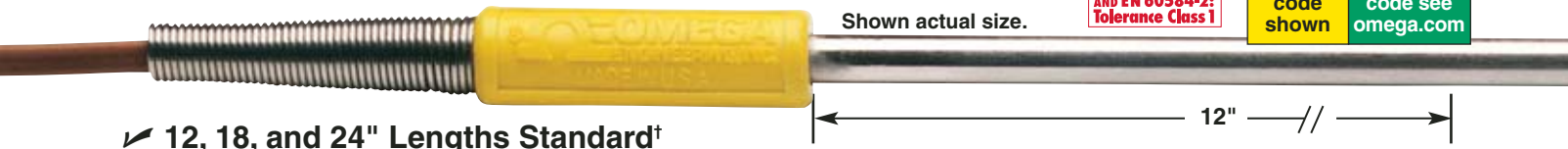
High-Temperature Thermocouple Assemblies With Molded Transition Junctions 1/16 to 1/4" Diameters Standard Dimensions



MEETS OR EXCEEDS
SPECIAL LIMITS
OF ERROR (SLE)
AND EN 60584-2
Tolerance Class 1

ANSI
color
code
shown

To order
IEC color
code see
omega.com



- 12, 18, and 24" Lengths Standard†
- 304, 310, 316, 321 SS, Inconel or Super OMEGA CLAD® XL Sheath
- Molded Junction Rated to 260°C (500°F)
- Color-Coded to Calibration
- 40" PFA Coated Lead Wires
- Stripped Lead Wire Termination – Connector Options Available

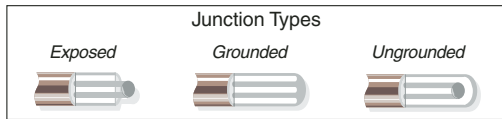
Starts at
\$19

Models highlighted have Super OMEGA CLAD® XL sheaths! See Page A-45 for details.



Thermocouple molded assemblies with transition joints of molded LCP high temperature liquid crystal polymer provide an economical, yet durable thermocouple probe for a variety of sensing applications. The measuring tip is limited only by thermocouple type and sheath material. Stainless steel sheaths have a maximum temperature of 900°C (1650°F) with Inconel 600 rated to 1150°C (2100°F). The calibration letter code is an integral part of the mold.

■ SUPER OMEGA CLAD® XL HIGHLIGHTED!



To Order (Specify Model Number)				ALL MODELS AVAILABLE FOR FAST DELIVERY!							
Thermocouple Alloy	Sheath Dia.	Model No. 12" Length	Price G/E* U*		Model No. 18" Length	Price G/E* U*		Model No. 24" Length	Price G/E* U*		Price/Additional foot
IRON-CONSTANTAN Inconel Sheath	J	1/16" JTIN-116(*)-12	\$19.00	\$20.00	JTIN-116(*)-18	\$19.78	\$23.78	JTIN-116(*)-24	\$20.55	\$24.55	\$1.55
		1/8" JTIN-18(*)-12	19.00	20.00	JTIN-18(*)-18	20.58	24.58	JTIN-18(*)-24	22.15	26.15	3.15
		3/16" JTIN-316(*)-12	19.00	20.00	JTIN-316(*)-18	21.18	24.18	JTIN-316(*)-24	23.35	26.35	4.35
		1/4" JTIN-14(*)-12	19.00	20.00	JTIN-14(*)-18	22.75	23.75	JTIN-14(*)-24	26.50	27.50	7.50
IRON-CONSTANTAN 304 SS Sheath	J	1/16" JTSS-116(*)-12	19.00	20.00	JTSS-116(*)-18	19.78	23.78	JTSS-116(*)-24	20.55	24.55	1.55
		1/8" JTSS-18(*)-12	19.00	20.00	JTSS-18(*)-18	19.93	23.93	JTSS-18(*)-24	20.85	24.85	1.85
		3/16" JTSS-316(*)-12	19.00	20.00	JTSS-316(*)-18	20.58	23.58	JTSS-316(*)-24	23.15	25.15	3.15
		1/4" JTSS-14(*)-12	19.00	20.00	JTSS-14(*)-18	21.50	22.50	JTSS-14(*)-24	24.00	25.00	5.00
CHROMEGLA®-ALOMEGA® Inconel Sheath	K	1/16" KTIN-116(*)-12	19.00	20.00	KTIN-116(*)-18	19.78	23.78	KTIN-116(*)-24	20.55	24.55	1.55
		1/8" KTIN-18(*)-12	19.00	20.00	KTIN-18(*)-18	20.58	24.58	KTIN-18(*)-24	22.15	26.15	3.15
		3/16" KTIN-316(*)-12	19.00	19.00	KTIN-316(*)-18	21.18	24.18	KTIN-316(*)-24	23.35	26.35	4.35
		1/4" KTIN-14(*)-12	19.00	20.00	KTIN-14(*)-18	22.75	23.75	KTIN-14(*)-24	26.50	27.50	7.50
CHROMEGLA®-ALOMEGA® 304 SS Sheath	K	1/16" KTSS-116(*)-12	19.00	20.00	KTSS-116(*)-18	19.78	23.78	KTSS-116(*)-24	20.55	24.55	1.55
		1/8" KTSS-18(*)-12	19.00	20.00	KTSS-18(*)-18	19.93	23.93	KTSS-18(*)-24	20.85	24.85	1.85
		3/16" KTSS-316(*)-12	19.00	19.00	KTSS-316(*)-18	20.58	23.58	KTSS-316(*)-24	22.15	25.15	3.15
		1/4" KTSS-14(*)-12	19.00	20.00	KTSS-14(*)-18	21.50	22.50	KTSS-14(*)-24	24.00	25.00	5.00
CHROMEGLA®-ALOMEGA® Super OMEGA CLAD® XL Sheath	K	1/16" KTXL-116(*)-12	24.00	28.00	KTXL-116(*)-18	22.86	26.80	KTXL-116(*)-24	23.50	28.05	1.70
		1/8" KTXL-18(*)-12	21.00	25.00	KTXL-18(*)-18	21.70	25.05	KTXL-18(*)-24	23.55	26.60	3.50
		3/16" KTXL-316(*)-12	21.00	25.29	KTXL-316(*)-18	24.45	26.25	KTXL-316(*)-24	26.60	28.70	4.80
		1/4" KTXL-14(*)-12	27.15	29.85	KTXL-14(*)-18	29.85	34.15	KTXL-14(*)-24	34.15	38.40	8.30
OMEGA-P®-OMEGA-N® Super OMEGA CLAD® XL Sheath	N	1/16" NTXL-116(*)-12	22.26	26.25	NTXL-116(*)-18	22.86	26.80	NTXL-116(*)-24	23.50	28.05	1.70
		1/8" NTXL-18(*)-12	19.86	23.25	NTXL-18(*)-18	21.70	25.05	NTXL-18(*)-24	23.55	26.60	3.50
		3/16" NTXL-316(*)-12	22.00	25.05	NTXL-316(*)-18	24.45	26.25	NTXL-316(*)-24	26.60	28.70	4.80
		1/4" NTXL-14(*)-12	27.15	29.85	NTXL-14(*)-18	29.85	34.15	NTXL-14(*)-24	34.15	38.40	8.30
CHROMEGLA®-CONSTANTAN Inconel Sheath	E	1/16" ETIN-116(*)-12	19.00	20.00	ETIN-116(*)-18	19.93	23.93	ETIN-116(*)-24	20.85	24.85	1.85
		1/8" ETIN-18(*)-12	19.00	20.00	ETIN-18(*)-18	20.58	24.58	ETIN-18(*)-24	22.15	26.15	3.75
		3/16" ETIN-316(*)-12	19.00	19.00	ETIN-316(*)-18	21.18	24.18	ETIN-316(*)-24	23.35	26.35	5.00
		1/4" ETIN-14(*)-12	19.00	20.00	ETIN-14(*)-18	22.75	23.75	ETIN-14(*)-24	26.50	27.50	7.50
CHROMEGLA®-CONSTANTAN 304 SS Sheath	E	1/16" ETSS-116(*)-12	19.00	20.00	ETSS-116(*)-18	19.78	23.78	ETSS-116(*)-24	20.55	24.55	1.55
		1/8" ETSS-18(*)-12	19.00	20.00	ETSS-18(*)-18	20.25	24.25	ETSS-18(*)-24	21.50	25.50	2.50
		3/16" ETSS-316(*)-12	19.00	19.00	ETSS-316(*)-18	20.58	23.58	ETSS-316(*)-24	22.15	25.15	3.15
		1/4" ETSS-14(*)-12	19.00	20.00	ETSS-14(*)-18	21.50	22.50	ETSS-14(*)-24	24.00	25.00	5.00
COPPER-CONSTANTAN Inconel Sheath	T	1/16" TTIN-116(*)-12	19.00	20.00	TTIN-116(*)-18	19.78	23.78	TTIN-116(*)-24	20.85	24.85	1.55
		1/8" TTIN-18(*)-12	19.00	20.00	TTIN-18(*)-18	20.88	24.88	TTIN-18(*)-24	22.15	26.15	3.75
		3/16" TTIN-316(*)-12	19.00	19.00	TTIN-316(*)-18	21.18	24.18	TTIN-316(*)-24	23.35	26.35	5.00
		1/4" TTIN-14(*)-12	19.00	20.00	TTIN-14(*)-18	22.75	23.75	TTIN-14(*)-24	26.50	27.50	7.50
COPPER-CONSTANTAN 304 SS Sheath	T	1/16" TTSS-116(*)-12	19.00	20.00	TTSS-116(*)-18	19.78	23.78	TTSS-116(*)-24	20.55	24.55	1.55
		1/8" TTSS-18(*)-12	19.00	20.00	TTSS-18(*)-18	20.25	24.88	TTSS-18(*)-24	21.50	25.50	2.50
		3/16" TTSS-316(*)-12	19.00	19.00	TTSS-316(*)-18	20.58	24.18	TTSS-316(*)-24	19.15	25.15	3.15
		1/4" TTSS-14(*)-12	19.00	20.00	TTSS-14(*)-18	21.50	23.75	TTSS-14(*)-24	24.00	25.00	5.00

* Specify junction Type: E (exposed), G (grounded) or U (ungrounded). † Other lengths are available, consult Sales Department. †† Supplied with Stainless Steel transition joints. To order with 310, 316 or 321 SS sheath, change "SS" in model number to "310SS", "316SS" or "321SS" respectively; no additional charge. Consult Sales for lengths between 2 to 12", or for lengths over 24". Type N Inconel Sheathing is available, Contact Sales for part numbers. Ordering Examples: JT321SS-116U-24 is a Type J molded transition probe, 1/16" diameter, 321SS sheath, ungrounded junction, 24" long, \$24.55. KTSS-18G-12, molded transition junction probe, Type K, 1/8" O.D., 304SS sheath, grounded junction, 12" length, \$19.

High-Temperature Thermocouple Assemblies With Molded Transition Junctions 1.5 to 6 mm Diameters

Metric Dimensions



MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1

ANSI color code shown IEC color code see omega.com

Shown actual size.



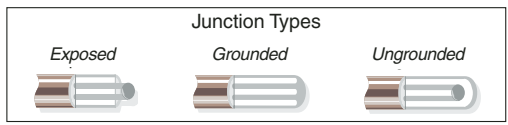
- 300, 450 and 600 mm Lengths Standard[†]
- 304, 310, 316, 321 SS, Inconel or Super OMEGA[®] XL Sheath
- Molded Junction Rated to 260°C (500°F)
- Color-Coded to Calibration
- 1 m PFA Coated Lead Wires
- Stripped Lead Wire Termination – Connector Options Available

Starts at **\$19**

Models highlighted have Super OMEGA[®] XL sheaths! See Page A-45 for details.



Thermocouple molded assemblies with transition joints of molded LCP high temperature liquid crystal polymer provide an economical yet durable thermocouple probe for a variety of sensing applications. The measuring tip is limited only by thermocouple type and sheath material. Stainless steel sheaths have a maximum temperature of 900°C (1650°F) with Inconel 600 rated to 1150°C (2100°F). The calibration letter code is an integral part of the mold.



SUPER OMEGA[®] XL HIGHLIGHTED!

To Order (Specify Model Number) ALL MODELS AVAILABLE FOR FAST DELIVERY!

Thermocouple Alloy	Dia. (mm)	Model No. 300 mm Length	Price		Model No. 450 mm Length	Price		Model No. 600 mm Length	Price		Price Per Add'l 300 mm
			G/E*	U*		G/E*	U*		G/E*	U*	
IRON-CONSTANTAN Inconel Sheath	J	JTIN-M15(*)-300	\$19.00	\$20.00	JTIN-M15(*)-450	\$19.78	\$23.78	JTIN-M15(*)-600	\$20.55	\$24.55	\$1.55
		JTIN-M30(*)-300	\$19.00	\$20.00	JTIN-M30(*)-450	20.58	24.58	JTIN-M30(*)-600	22.15	26.15	3.15
		JTIN-M45(*)-300	19.00	19.00	JTIN-M45(*)-450	21.18	24.18	JTIN-M45(*)-600	20.35	23.35	4.35
		JTIN-M60(*)-300	19.00	20.00	JTIN-M60(*)-450	23.75	23.75	JTIN-M60(*)-600	26.50	27.50	7.50
IRON-CONSTANTAN 304 SS Sheath	J	JTSS-M15(*)-300	19.00	20.00	JTSS-M15(*)-450	19.78	23.78	JTSS-M15(*)-600	20.55	24.55	1.55
		JTSS-M30(*)-300	19.00	20.00	JTSS-M30(*)-450	19.93	23.93	JTSS-M30(*)-600	20.85	24.85	1.85
		JTSS-M45(*)-300	19.00	19.00	JTSS-M45(*)-450	20.58	23.58	JTSS-M45(*)-600	22.15	25.15	3.15
		JTSS-M60(*)-300	19.00	20.00	JTSS-M60(*)-450	21.50	22.50	JTSS-M60(*)-600	24.00	25.00	5.00
CHROME [®] GA [®] -ALOMEGA [®] Inconel Sheath	K	KTIN-M15(*)-300	19.00	20.00	KTIN-M15(*)-450	19.78	23.78	KTIN-M15(*)-600	20.55	24.55	1.55
		KTIN-M30(*)-300	19.00	20.00	KTIN-M30(*)-450	20.58	24.58	KTIN-M30(*)-600	22.15	26.15	3.15
		KTIN-M45(*)-300	19.00	19.00	KTIN-M45(*)-450	21.18	24.18	KTIN-M45(*)-600	23.35	26.35	4.35
		KTIN-M60(*)-300	19.00	20.00	KTIN-M60(*)-450	22.75	23.75	KTIN-M60(*)-600	26.50	27.50	7.55
CHROME [®] GA [®] -ALOMEGA [®] 304 SS Sheath	K	KTSS-M15(*)-300	19.00	20.00	KTSS-M15(*)-450	19.78	23.78	KTSS-M15(*)-600	20.55	24.55	1.55
		KTSS-M30(*)-300	19.00	20.00	KTSS-M30(*)-450	19.93	23.93	KTSS-M30(*)-600	20.85	24.85	1.85
		KTSS-M45(*)-300	19.00	19.00	KTSS-M45(*)-450	20.58	23.58	KTSS-M45(*)-600	22.15	25.15	3.15
		KTSS-M60(*)-300	19.00	20.00	KTSS-M60(*)-450	21.50	23.50	KTSS-M60(*)-600	24.00	25.00	5.00
CHROME [®] GA [®] -ALOMEGA [®] Super OMEGA [®] XL Sheath	K	KTXL-M15(*)-300	24.00	28.00	KTXL-M15(*)-450	22.86	26.80	KTXL-M15(*)-600	23.50	28.05	1.70
		KTXL-M30(*)-300	21.00	25.00	KTXL-M30(*)-450	21.70	25.05	KTXL-M30(*)-600	23.55	26.60	3.50
		KTXL-M45(*)-300	21.00	25.29	KTXL-M45(*)-450	24.45	26.25	KTXL-M45(*)-600	26.60	28.70	4.80
		KTXL-M60(*)-300	27.15	29.85	KTXL-M60(*)-450	29.85	34.15	KTXL-M60(*)-600	34.15	38.40	8.30
OMEGA-P [®] -OMEGA-N [®] Super OMEGA [®] XL Sheath	N	NTXL-M15(*)-300	22.26	26.25	NTXL-M15(*)-450	22.86	26.80	NTXL-M15(*)-600	23.50	28.05	1.70
		NTXL-M30(*)-300	19.86	23.25	NTXL-M30(*)-450	21.70	25.05	NTXL-M30(*)-600	23.55	26.60	3.50
		NTXL-M45(*)-300	22.00	23.05	NTXL-M45(*)-450	24.45	26.25	NTXL-M45(*)-600	26.60	28.70	4.80
		NTXL-M60(*)-300	27.15	29.85	NTXL-M60(*)-450	29.85	34.15	NTXL-M60(*)-600	34.15	38.40	8.30
CHROME [®] GA [®] -CONSTANTAN Inconel Sheath	E	ETIN-M15(*)-300	19.00	20.00	ETIN-M15(*)-450	19.93	23.93	ETIN-M15(*)-600	20.85	24.85	1.85
		ETIN-M30(*)-300	19.00	20.00	ETIN-M30(*)-450	20.58	24.58	ETIN-M30(*)-600	22.15	26.15	3.75
		ETIN-M45(*)-300	19.00	19.00	ETIN-M45(*)-450	21.18	24.18	ETIN-M45(*)-600	23.35	26.35	5.00
		ETIN-M60(*)-300	19.00	20.00	ETIN-M60(*)-450	22.75	23.75	ETIN-M60(*)-600	26.50	27.50	7.50
CHROME [®] GA [®] -CONSTANTAN 304 SS Sheath	E	ETSS-M15(*)-300	19.00	20.00	ETSS-M15(*)-450	19.78	23.78	ETSS-M15(*)-600	20.55	24.55	1.55
		ETSS-M30(*)-300	19.00	20.00	ETSS-M30(*)-450	20.25	24.25	ETSS-M30(*)-600	21.50	25.50	2.50
		ETSS-M45(*)-300	19.00	19.00	ETSS-M45(*)-450	20.58	23.58	ETSS-M45(*)-600	22.15	25.15	3.15
		ETSS-M60(*)-300	19.00	20.00	ETSS-M60(*)-450	21.50	23.50	ETSS-M60(*)-600	24.00	25.00	5.00
COPPER-CONSTANTAN Inconel Sheath	T	TTIN-M15(*)-300	19.00	20.00	TTIN-M15(*)-450	19.78	23.78	TTIN-M15(*)-600	20.85	24.85	1.55
		TTIN-M30(*)-300	19.00	20.00	TTIN-M30(*)-450	20.88	24.88	TTIN-M30(*)-600	22.15	26.15	3.75
		TTIN-M45(*)-300	19.00	19.00	TTIN-M45(*)-450	21.18	24.18	TTIN-M45(*)-600	23.35	26.35	5.00
		TTIN-M60(*)-300	19.00	20.00	TTIN-M60(*)-450	22.75	23.75	TTIN-M60(*)-600	26.50	27.50	7.50
COPPER-CONSTANTAN 304 SS Sheath	T	TTSS-M15(*)-300	19.00	20.00	TTSS-M15(*)-450	19.78	23.78	TTSS-M15(*)-600	20.55	24.55	1.55
		TTSS-M30(*)-300	19.00	20.00	TTSS-M30(*)-450	20.25	24.88	TTSS-M30(*)-600	21.50	25.50	2.50
		TTSS-M45(*)-300	19.00	19.00	TTSS-M45(*)-450	20.58	24.18	TTSS-M45(*)-600	22.15	25.15	3.15
		TTSS-M60(*)-300	19.00	20.00	TTSS-M60(*)-450	21.50	23.75	TTSS-M60(*)-600	24.00	25.00	5.00

* Specify junction Type: E (exposed), G (grounded) or U (ungrounded). † Other lengths are available, consult Sales Department. †† Supplied with Stainless Steel transition joints. To order with 310 SS, 316 SS or 321 SS sheath, change "SS" in model number to "310SS", "316SS" or "321SS" respectively. No additional charge. Consult Sales for lengths between 50 and 300 mm or for lengths over 600 mm. Type N Inconel Sheathing is available, Contact Sales for part numbers. **Ordering Examples: JT321SS-M15U-600** is a Type J molded transition probe, 1.5 mm diameter, 321SS sheath, ungrounded junction, 600 mm long, \$24.55. **KTSS-M60G-300**, molded transition junction probe, Type K, 6.0 mm O.D., 304SS sheath, grounded junction, 300 mm length, \$19.



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