

Thermocouple Cable Duplex Insulated

**Class 1
Tolerance
Available**

**K Duplex Insulated
CHROMETM-ALOMEGATM
Duplex IEC Type K**



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

**MOST POPULAR
MODELS HIGHLIGHTED!**

Insulation	AWG No.	Model Number	Price/300 m	Class 1 300 m ^{†††}	Con. Dia. mm	Insulation		Max Temp °C	Nominal Size mm	Wt. kg/300 m [†]
						Conductor	Overall			
Silica*	14	XS-KI-14	£1620	£1865	1.63	Silica	Silica	1090	3.6 x 5.0	16
	20	XS-KI-20	960	1100	0.81			980	2.7 x 3.9	6
	24	XS-KI-24	870	995	0.51			870	2.2 x 3.4	5
High Temp Glass**	20	HH-KI-20	£425	£492	0.81	High Temp Glass	High Temp Glass	704	1.5 x 2.7	4
	24	HH-KI-24	281	322	0.51			704	1.4 x 2.3	3
Glass	20	GG-KI-20	£358	£409	0.81	Glass Braid	Glass Braid	482	1.5 x 2.1	4
	20	GG-KI-20S	525	625	7 x 0.32			482	1.5 x 2.5	4
	24	GG-KI-24	235	268	0.51			482	1.3 x 2.0	3
	24	GG-KI-24S	318	382	7 x 0.2			482	1.3 x 2.2	3
	26	GG-KI-26	191	218	0.4			482	1.1 x 1.9	2
	28	GG-KI-28	154	178	0.32			482	1.0 x 1.4	2
	30	GG-KI-30	161	185	0.25			482	0.9 x 1.3	2
	36	GG-KI-36	215	238	0.13			482	0.8 x 1.1	1
Glass with Stainless Steel Overbraid	20	GG-KI-20-SB	£600	£655	0.81	Glass	Stainless Steel Braid over Glass	482	2.3 x 3.0	6
	20	GG-KI-20S-SB	765	870	7 x 0.32			482	2.3 x 3.2	7
	24	GG-KI-24-SB	402	439	0.51			482	2.2 x 3.0	5
	24	GG-KI-24S-SB	486	550	7 x 0.2			482	2.0 x 2.8	5
Kapton ^{††††} Fused Polyimide Tape	20	KK-K-20	£675	£770	0.81	Fused Polyimide Tape	Fused Polyimide Tape	316	1.5 x 2.5	5
	20	KK-K-20S	850	970	7 x 0.32			316	1.5 x 2.7	5
	24	KK-K-24	505	570	0.51			316	1.3 x 1.9	3
	24	KK-K-24S	625	710	7 x 0.2			316	1.3 x 2.2	3
	30	KK-K-30	436	505	0.25			316	1.0 x 1.4	3
PFA Glass	30	TG-KI-30	£356	—	0.25	PFA	Glass Braid	260	0.9 x 1.2	1
	36	TG-KI-36	396	—	0.13			260	0.7 x 1.0	1
	40	TG-KI-40	436	—	0.08			260	0.7 x 0.9	1
Neoflon PFA (High Performance)	20	TT-KI-20	£432	£505	0.81	PFA	PFA	260	1.7 x 3.0	5
	20	TT-KI-20S	655	785	7 x 0.32			260	1.9 x 3.2	5
	22	TT-KI-22S	640	765	7 x 0.25			260	1.7 x 3.4	4
	24	TT-KI-24	298	342	0.51			260	1.4 x 2.4	3
	24	TT-KI-24S	415	499	7 x 0.2			260	1.6 x 2.6	3
	30	TT-KI-30 ^{††}	225	248	0.25			260	0.6 x 1.0	1
	36	TT-KI-36 ^{††}	252	279	0.13			260	0.5 x 0.8	1
	40	TT-KI-40 ^{††}	335	369	0.08			260	0.4 x 0.7	1
PFA Polymer w/Twisted and Screened Conductors	20	TT-KI-20-TWSH	£765	£875	0.81	PFA Polymer	PFA Polymer and Screening	260	3.7	9
	20	TT-KI-20S-TWSH	915	1100	7 x 0.32			260	3.8	9
	24	TT-KI-24-TWSH	459	525	0.51			260	2.7	4
	24	TT-KI-24S-TWSH	550	655	7 x 0.2			260	2.9	4
Neoflon FEP	20	FF-KI-20	£425	£492	0.81	FEP	FEP	200	1.7 x 3.0	5
	24	FF-KI-24	281	325	0.51			200	1.7 x 3.0	3
FEP Polymer w/Twisted and Screened Conductors	20	FF-KI-20-TWSH	£605	£695	0.81	FEP Polymer	FEP Polymer and Screening	200	3.7	9
	20	FF-KI-20S-TWSH	730	880	7 x 0.32			200	3.8	9
	24	FF-KI-24-TWSH	345	395	0.51			200	2.7	4
	24	FF-KI-24S-TWSH	415	496	7 x 0.2			200	2.9	4
TFE Tape Polymer	20	TFE-KI-20	£415	£466	0.81	TFE Tape Polymer	Fused TFE Tape Polymer	260	1.5 x 2.5	5
	20	TFE-KI-20S	640	725	7 x 0.32			260	1.5 x 2.7	5
	24	TFE-KI-24	281	315	0.51			260	1.3 x 1.9	3
	24	TFE-KI-24S	382	436	7 x 0.2			260	1.3 x 2.2	3
Polyvinyl	24	PR-KI-24	£184	£214	0.51	Polyvinyl	(Figure of 8) ^{***} (Polyvinyl)	105	1.4 x 2.3	3
	24	PP-KI-24S	238	285	7 x 0.2			105	2.0 x 3.4	3

[†] 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 reel length.

^{††††} Kapton insulation is not colour coded. The positive conductor has an ANSI colour tracer.

* Has colour tracers on jacket and conductors.

** HH Wire has trace thread in Positive leg, Negative leg is white, overall has trace thread.

*** Two insulated leads bonded together, but with no overwrap. Additional Type K insulated wires are available.

See Fused Tape Insulated TFE-K Series.

Ordering Example: TT-KI-20-SLE-300M, 300 m of Type K duplex PFA insulated special limits of error thermocouple wire, £505.



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

088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic

596-311-899

BENELUX

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