

Metric Dual OMEGACLAD™ Thermocouple Wire

1.0 to 6.0 mm Diameter

Type N
Available with
Inconel® Sheath



Bends Easily!

Shown smaller than actual size.

Continuous Lengths Available! Consult Sales for Pricing and Availability

Shown larger than actual size.

U.S. configuration.

European configuration.

OMEGACLAD™ wire is metal-sheathed cable containing thermocouple wires which are insulated from each other and from the sheath by highly compacted magnesium oxide (MgO). Metric size OMEGACLAD™ wire is available in 304 SS, 310 SS, 316 SS, 321 SS Inconel® 600 and Super OMEGACLAD™ XL sheathing. To order, specify the desired model number and desired length in meters.

DUAL PAIR METRIC OMEGACLAD WIRE

Model Number	Wire Calibration	Sheath Material	Sheath Diameter mm	Wall Thickness mm	Resistance 15.5°C Ω/dbl. meter	Wire Diameter mm
304-J-MO-1.0MM-DUAL-(* 304-J-MO-1.5MM-DUAL-(* 304-J-MO-3.0MM-DUAL-(* 304-J-MO-4.5MM-DUAL-(* 304-J-MO-6.0MM-DUAL-(*	J	304 Stainless Steel	1.0	0.15	26.0	0.13
			1.5	0.25	12.5	0.25
			3.0	0.46	4.52	0.56
			4.5	0.66	1.48	0.79
			6.0	0.94	0.82	1.02
INC-J-MO-1.0MM-DUAL-(* INC-J-MO-1.5MM-DUAL-(* INC-J-MO-3.0MM-DUAL-(* INC-J-MO-4.5MM-DUAL-(* INC-J-MO-6.0MM-DUAL-(*	J	Inconel®	1.0	0.15	26.0	0.13
			1.5	0.25	12.5	0.25
			3.0	0.46	4.52	0.56
			4.5	0.66	1.48	0.79
			6.0	0.94	0.82	1.02
304-K-MO-1.0MM-DUAL-(* 304-K-MO-1.5MM-DUAL-(* 304-K-MO-3.0MM-DUAL-(* 304-K-MO-4.5MM-DUAL-(* 304-K-MO-6.0MM-DUAL-(*	K	304 Stainless Steel	1.0	0.15	43.0	0.13
			1.5	0.25	17.3	0.25
			3.0	0.46	4.82	0.56
			4.5	0.66	2.17	0.79
			6.0	0.94	1.25	1.02
INC-K-MO-1.0MM-DUAL-(* INC-K-MO-1.5MM-DUAL-(* INC-K-MO-3.0MM-DUAL-(* INC-K-MO-4.5MM-DUAL-(* INC-K-MO-6.0MM-DUAL-(*	K or N†	Inconel® 600	1.0	0.15	43.0	0.13
			1.5	0.25	17.3	0.25
			3.0	0.46	4.82	0.56
			4.5	0.66	2.17	0.79
			6.0	0.94	1.25	1.02
304-T-MO-1.0MM-DUAL-(* 304-T-MO-1.5MM-DUAL-(* 304-T-MO-3.0MM-DUAL-(* 304-T-MO-4.5MM-DUAL-(* 304-T-MO-6.0MM-DUAL-(*	T	304 Stainless Steel	1.0	0.15	24.0	0.13
			1.5	0.25	9.94	0.25
			3.0	0.46	2.53	0.56
			4.5	0.66	1.18	0.79
			6.0	0.94	0.66	1.02
INC-T-MO-1.0MM-DUAL-(* INC-T-MO-1.5MM-DUAL-(* INC-T-MO-3.0MM-DUAL-(* INC-T-MO-4.5MM-DUAL-(* INC-T-MO-6.0MM-DUAL-(*	T	Inconel® 600	1.0	0.15	24.0	0.13
			1.5	0.25	9.94	0.25
			3.0	0.46	2.53	0.56
			4.5	0.66	1.18	0.79
			6.0	0.94	0.66	1.02
304-E-MO-1.0MM-DUAL-(* 304-E-MO-1.5MM-DUAL-(* 304-E-MO-3.0MM-DUAL-(* 304-E-MO-4.5MM-DUAL-(* 304-E-MO-6.0MM-DUAL-(*	E	304 Stainless Steel	1.0	0.15	49.0	0.13
			1.5	0.25	20.0	0.25
			3.0	0.46	5.11	0.56
			4.5	0.66	3.02	0.79
			6.0	0.94	1.57	1.02
INC-E-MO-1.0MM-DUAL-(* INC-E-MO-1.5MM-DUAL-(* INC-E-MO-3.0MM-DUAL-(* INC-E-MO-4.5MM-DUAL-(* INC-E-MO-6.0MM-DUAL-(*	E	Inconel® 600	1.0	0.15	49.0	0.13
			1.5	0.25	20.0	0.25
			3.0	0.46	5.11	0.56
			4.5	0.66	3.02	0.79
			6.0	0.94	1.57	1.02

* Specify length in meters (5 meters, minimum order).

† For Type N, change "K" in model number to "N", no additional cost.

Notes: 1 inch = 25.4 mm, 1 mm = 0.0394 inches, 1 meter = 3.28 feet.

For 310, 316 or 321 stainless steel sheath, change "304" in the Model Number to "310", "316" or "321", no additional cost.

For Super OMEGACLAD™ XL, change "304" in the model number to "XL"; consult Sales for price.

For Hastelloy-X, change "304" in the model number to "HASTX"; consult Sales for price.

For Special Limits of Error, add suffix "-SLE" to model number, for an additional cost.

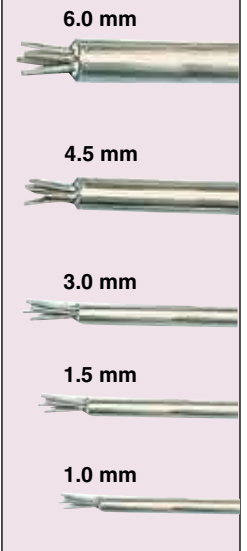
For dual diagonal wire configuration, add "-DIA" to model number, no additional cost.

Ordering Examples: INC-K-MO-3.0MM-DUAL-DIA-10, 10 m of type K or N CHROMEGLA™-ALOMEGA™ wire with Inconel 600 sheath, 3 mm in diameter, dual conductor.

304-T-MO-6.0MM-DUAL-5, 5 m of type T OMEGACLAD™ wire with 304 SS sheath, 6 mm in diameter, dual conductor.

Also Available with High Purity Magnesium Oxide (MgO)

Dual Metric Pair Available in these sizes:



Custom Assemblies: Special sheathing, insulation and thermocouple alloys are available on special order. Consult Sales Department for price and delivery.

Important Ordering Note: OMEGACLAD™ wire will be supplied to ±10% of specified length. Prices will be adjusted accordingly.