

Dual OMEGACLAD™ Thermocouple Wire

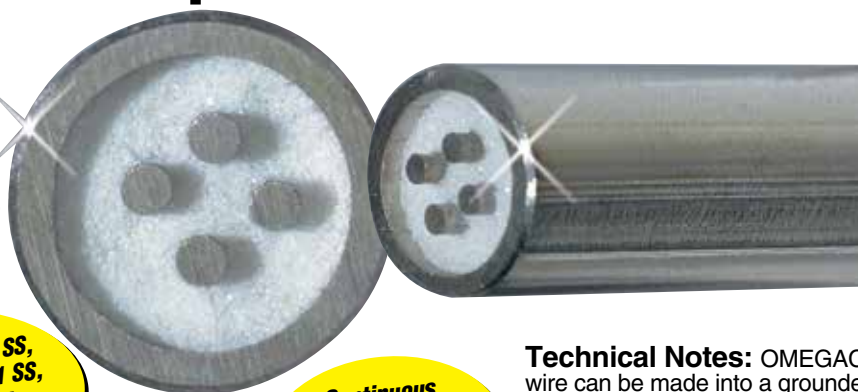
0.040 to 0.250 inch Diameter



Available as
SUPER
OMEGACLAD™ XL
THERMOCOUPLE PROBES

Made with High Purity Magnesium Oxide (MgO)

Four-Wire Construction!



Shown larger than actual size.

Continuous Lengths Available! Consult Sales for Pricing and Availability

Available with 304 SS, 316 SS, 321 SS, INCONEL 600 and Super OMEGACLAD™ XL Sheaths!

Technical Notes: OMEGACLAD™ wire can be made into a grounded junction probe and inserted into a pipe with compression fitting.

Insulation Compacted magnesium oxide is hygroscopic (absorbs moisture)

Type N Available with Inconel® Sheath

Discount Schedule		
Metric	Feet	Net
0 to 3 m	0 to 10'	
3.1 to 7.5 m	11 to 25'	10%
7.6 to 15 m	26 to 50'	25%
15.1 to 30 m	51 to 100'	30%

Consult sales on larger quantities.

- ✓ Easily Bendable
- ✓ Durable
- ✓ Withstands Vibration
- ✓ Enables a Split Signal
- ✓ Can Be Welded
- ✓ High Temperature Applications
- ✓ Withstands Pressures
- ✓ Available from **STOCK!** Cut to Length or Long Continuous Lengths

OMEGACLAD™ dual pair wire can be made into a single probe that enables transmission of a "split signal". This double signal can be attached to a controller and chart recorder at the same time to monitor and control the same temperature location.

Available in these sizes:

0.250"

0.188"

0.125"

0.062"

0.040"

Model Number	Wire Calibration	Sheath Material	Sheath Diameter (inch)	Wall Thickness (inch)	Resistance at 60°F Ω/ Dbl. ft.	Wire Diameter (inch)	AWG Gage
304-J-MO-040-DUAL-(* 304-J-MO-062-DUAL-(* 304-J-MO-125-DUAL-(* 304-J-MO-188-DUAL-(* 304-J-MO-250-DUAL-(*	Iron-Constantan J	304 Stainless Steel	0.040	0.006	8.9	0.005	36
			0.062	0.010	3.6	0.010	30
			0.125	0.018	0.88	0.020	24
			0.188	0.025	0.36	0.032	20
			0.250	0.036	0.22	0.040	18
INC-J-MO-040-DUAL-(* INC-J-MO-062-DUAL-(* INC-J-MO-125-DUAL-(* INC-J-MO-188-DUAL-(* INC-J-MO-250-DUAL-(*	Iron-Constantan J	Inconel 600	0.040	0.006	8.9	0.005	36
			0.062	0.010	3.6	0.010	30
			0.125	0.018	0.88	0.020	24
			0.188	0.025	0.36	0.032	20
			0.250	0.036	0.22	0.040	18
304-K-MO-040-DUAL-(* 304-K-MO-062-DUAL-(* 304-K-MO-125-DUAL-(* 304-K-MO-188-DUAL-(* 304-K-MO-250-DUAL-(*	CHROMEGLA™-ALOMEGA™ K	304 Stainless Steel	0.040	0.006	15.0	0.005	36
			0.062	0.010	6.0	0.010	30
			0.125	0.018	1.5	0.020	24
			0.188	0.025	0.59	0.032	20
			0.250	0.036	0.37	0.040	18
INC-K-MO-040-DUAL-(* INC-K-MO-062-DUAL-(* INC-K-MO-125-DUAL-(* INC-K-MO-188-DUAL-(* INC-K-MO-250-DUAL-(*	CHROMEGLA™-ALOMEGA™ K or N †	Inconel 600	0.040	0.006	15.0	0.005	36
			0.062	0.010	6.0	0.010	30
			0.125	0.018	1.5	0.020	24
			0.188	0.025	0.59	0.032	20
			0.250	0.036	0.37	0.040	18
304-T-MO-040-DUAL-(* 304-T-MO-062-DUAL-(* 304-T-MO-125-DUAL-(* 304-T-MO-188-DUAL-(* 304-T-MO-250-DUAL-(*	Copper-Copper-Constantan T	304 Stainless Steel	0.040	0.006	7.7	0.005	36
			0.062	0.010	3.0	0.010	30
			0.125	0.018	0.75	0.020	24
			0.188	0.025	0.298	0.032	20
			0.250	0.036	0.19	0.040	18
INC-T-MO-040-DUAL-(* INC-T-MO-062-DUAL-(* INC-T-MO-125-DUAL-(* INC-T-MO-188-DUAL-(* INC-T-MO-250-DUAL-(*	Copper-Constantan T	Inconel 600	0.040	0.006	7.7	0.005	36
			0.062	0.010	3.04	0.010	30
			0.125	0.018	0.75	0.020	24
			0.188	0.025	0.19	0.032	20
			0.250	0.036	0.19	0.040	18
304-E-MO-040-DUAL-(* 304-E-MO-062-DUAL-(* 304-E-MO-125-DUAL-(* 304-E-MO-188-DUAL-(* 304-E-MO-250-DUAL-(*	CHROMEGLA™-Constantan E	304 Stainless Steel	0.040	0.006	18.0	0.005	36
			0.062	0.010	7.17	0.010	30
			0.125	0.018	1.78	0.020	24
			0.188	0.025	0.71	0.032	20
			0.250	0.036	0.45	0.040	18
INC-E-MO-040-DUAL-(* INC-E-MO-062-DUAL-(* INC-E-MO-125-DUAL-(* INC-E-MO-188-DUAL-(* INC-E-MO-250-DUAL-(*	CHROMEGLA™-Constantan E	Inconel 600	0.040	0.006	18.0	0.005	36
			0.062	0.010	7.17	0.010	30
			0.125	0.018	1.78	0.020	24
			0.188	0.025	0.71	0.032	20
			0.250	0.036	0.45	0.040	18

* Specify length in feet. 5' minimum order. †For Type N, change a "K" in model number to "N", no extra charge. 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; add 20% to price.

Ordering Examples: INC-K-MO-125-DUAL-25, Inconel 600 sheath, Type K or N wire, CHROMEGLA™-ALOMEGA™ Insulation, 0.125" cable OD, 25'.

321-K-MO-125-DUAL-25, 321 SS sheath, Type K wire, MgO Insulation, 0.125" cable OD, dual conductor.