

# Thermocouple Wire

## Fine Diameter Base Metal

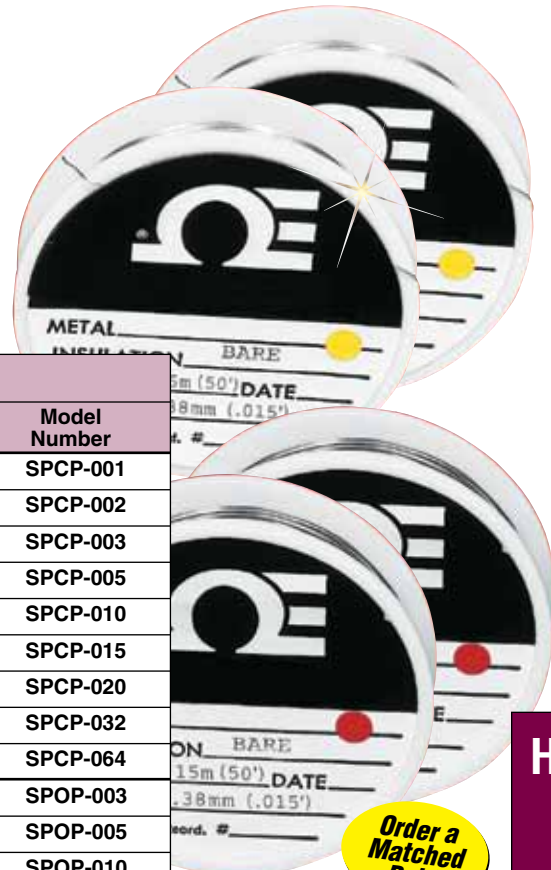
In order to meet the immediate needs of science and industry for highest quality thermocouple wire in practical quantities at reasonable prices, OMEGA makes available thermocouple materials in a variety of wire sizes. The wire is supplied uninsulated on standard 76 mm (3") diameter plastic spools in continuous 15 m (50') lengths.

Sizes range from 0.013 to 3.25 mm (0.0005 to 0.128") diameter. The wire is supplied as single legs or in matched pairs to meet standard limits of error. Other wire sizes and quantities are available on special request.

### Uninsulated Base Metal Thermocouple Wire

**To Order Visit [omega.com/spir](http://omega.com/spir) for Pricing and Details**

Material	Wire Dia. mm (inch)	Model Number	Material	Wire Dia. mm (inch)	Model Number	
<b>J</b> Iron	0.02 (0.001)	SPIR-001	<b>T</b> Copper	0.02 (0.001)	SPCP-001	
	0.05 (0.002)	SPIR-002		0.05 (0.002)	SPCP-002	
	0.07 (0.003)	SPIR-003		0.07 (0.003)	SPCP-003	
	0.13 (0.005)	SPIR-005		0.13 (0.005)	SPCP-005	
	0.25 (0.010)	SPIR-010		0.25 (0.010)	SPCP-010	
	0.38 (0.015)	SPIR-015		0.38 (0.015)	SPCP-015	
	0.5 (0.020)	SPIR-020		0.5 (0.020)	SPCP-020	
	0.8 (0.032)	SPIR-032		0.8 (0.032)	SPCP-032	
<b>J</b> Constantan*	1.6 (0.064)	SPIR-064	<b>N</b> OMEGA-P® (Nicrosil)	1.6 (0.064)	SPCP-064	
	0.02 (0.001)	SPCI-001		0.07 (0.003)	SPOP-003	
	0.05 (0.002)	SPCI-002		0.13 (0.005)	SPOP-005	
	0.07 (0.003)	SPCI-003		0.25 (0.010)	SPOP-010	
	0.13 (0.005)	SPCI-005		0.5 (0.020)	SPOP-020	
	0.25 (0.010)	SPCI-010		0.8 (0.032)	SPOP-032	
	0.38 (0.015)	SPCI-015		<b>N</b> OMEGA-N® (Nisil)	0.07 (0.003)	SPON-003
	0.5 (0.020)	SPCI-020			0.13 (0.005)	SPON-005
0.8 (0.032)	SPCI-032	0.25 (0.010)	SPON-010			
1.6 (0.064)	SPCI-064	0.5 (0.020)	SPON-020			
<b>K</b> CHROMEKA®	0.013 (0.0005)	SPCH-0005	<b>E</b> CHROMEKA®	0.8 (0.032)	SPON-032	
	0.02 (0.001)	SPCH-001		0.013 (0.0005)	SPCH-0005	
	0.05 (0.002)	SPCH-002		0.02 (0.001)	SPCH-001	
	0.07 (0.003)	SPCH-003		0.05 (0.002)	SPCH-002	
	0.13 (0.005)	SPCH-005		0.07 (0.003)	SPCH-003	
	0.25 (0.010)	SPCH-010		0.13 (0.005)	SPCH-005	
	0.38 (0.015)	SPCH-015		0.25 (0.010)	SPCH-010	
	0.5 (0.020)	SPCH-020		0.38 (0.015)	SPCH-015	
	0.8 (0.032)	SPCH-032		0.5 (0.020)	SPCH-020	
	1.6 (0.064)	SPCH-064		0.8 (0.032)	SPCH-032	
<b>K</b> ALOMEGA®	3.3 (0.128)	SPCH-128	<b>E</b> Constantan*	1.6 (0.064)	SPCH-064	
	0.013 (0.0005)	SPAL-0005		3.3 (0.128)	SPCH-128	
	0.02 (0.001)	SPAL-001		0.013 (0.0005)	SPCC-0005	
	0.05 (0.002)	SPAL-002		0.02 (0.001)	SPCC-001	
	0.07 (0.003)	SPAL-003		0.05 (0.002)	SPCC-002	
	0.13 (0.005)	SPAL-005		0.07 (0.003)	SPCC-003	
	0.25 (0.010)	SPAL-010		0.13 (0.005)	SPCC-005	
	0.38 (0.015)	SPAL-015		0.25 (0.010)	SPCC-010	
	0.5 (0.020)	SPAL-020		0.38 (0.015)	SPCC-015	
	0.8 (0.032)	SPAL-032		0.5 (0.020)	SPCC-020	
<b>T</b> Constantan*	1.6 (0.064)	SPAL-064	<b>E</b> Constantan*	0.8 (0.032)	SPCC-032	
	3.3 (0.128)	SPAL-128		1.6 (0.064)	SPCC-064	
	0.013 (0.0005)	SPCC-0005				
	0.02 (0.001)	SPCC-001				
	0.05 (0.002)	SPCC-002				
	0.07 (0.003)	SPCC-003				
	0.13 (0.005)	SPCC-005				
	0.25 (0.010)	SPCC-010				



**Order a Matched Pair!**

Shown smaller than actual size.

Longer lengths available. Please consult Sales.

#### Discount Schedule

1 to 10 spools. . . . .	Net
11 to 24 spools. . . . .	10%
25 to 49 spools. . . . .	15%
50 spools and up . . . . .	20%

\* There are two forms of Constantan. Each form is composed of the same elements, but the percentages (%) of constituent elements differ. One is matched to Iron. The other can be matched to Copper or CHROMEKA®. When ordering matched pairs, be sure to specify SPIC with SPIR and SPCC with SPCC or SPCH.

**Ordering Examples:**  
**SPCH-020-50**, 15 m (50'), Type K CHROMEKA® wire, 0.5 mm (0.020") diameter, and **SPAL-020-50**, 15 m (50'), Type K ALOMEGA® wire, 0.5 mm (0.020") diameter.  
**SPIR-010-50**, 15 m (50'), Type J iron wire, 0.25 mm (0.010") diameter, and **SPCI-010-50**, 15 m (50'), Type J Constantan wire, 0.25 mm (0.010") diameter.

**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.