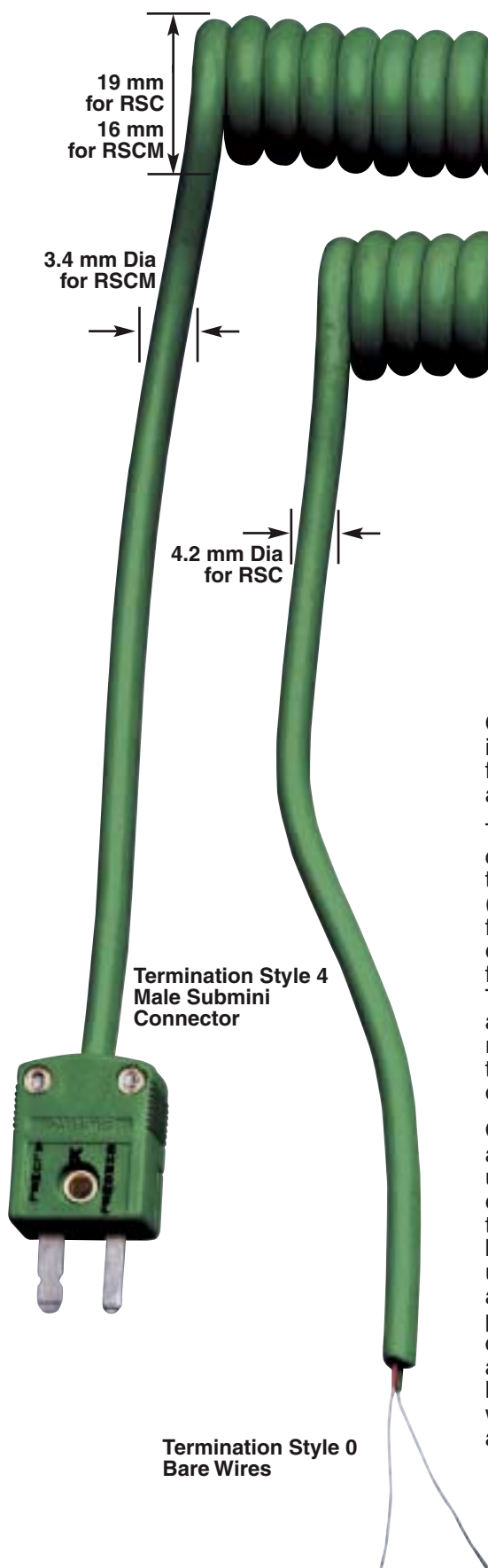


Retractable Sensor Cables



- ✓ J, K, T, N and E Thermocouple Calibrations and 3-Wire Copper for RTD's and Thermistors
- ✓ Expansion Ratio up to 500% – 300mm Stretches to 1.5 metres
- ✓ TPE Plastic Jacket for Indoor and Outdoor Use to 104°C (220°F)
- ✓ Retracted Coil Lengths of 300mm, 600mm, 900mm & 1.2m with 150mm Straight Ends
- ✓ Ideal for Use with Handheld and Benchstand Electronic Indicators

OMEGA® Retractable Sensor Cable is colour coded and spring coiled, for use with thermocouples, RTD's and thermistors.

To achieve a superior jacket construction, OMEGA has employed the latest in jacketing material: TPE (thermoplastic elastomer), a unique family of thermoplastics which exhibits characteristics previously found only in rubber compounds. TPE is extremely tough and flexible, and has excellent abrasion resistance. Our special construction technique yields an expansion rate of up to 500%.

OMEGA's retractable sensor cables are specifically recommended for use with electronic-type indicators, either panel, handheld or bench type models. The cables should not be used with self powered, unamplified analogue meters, such as OMEGA® Series 7000 pyrometers. Retractable sensor cables have hundreds of applications: oscillating machinery, handheld surface probes, or wherever retractable sensor cables are required.

300mm STRETCHES to 1.5 metres!

Specifications

Insulation:

TPE (Thermoplastic Elastomer)

Calibrations: J, K, T, N, E and 3-wire copper for RTD's and thermistors

Thermocouple Wire Conformity:

Standard Limits of Error, per ANSI MC 96.1 (1975)

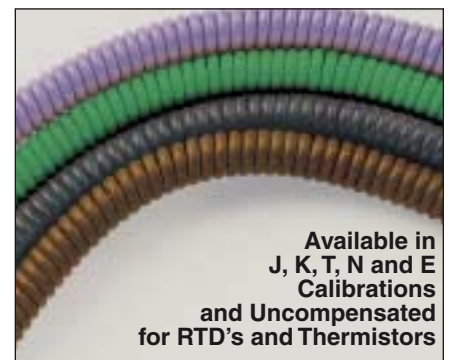
Temperature Rating:

-30 to 105°C (-22 to 220°F)

Construction: 0.13mm dia. stranded wire (7 strand x 0.13 mm dia.)

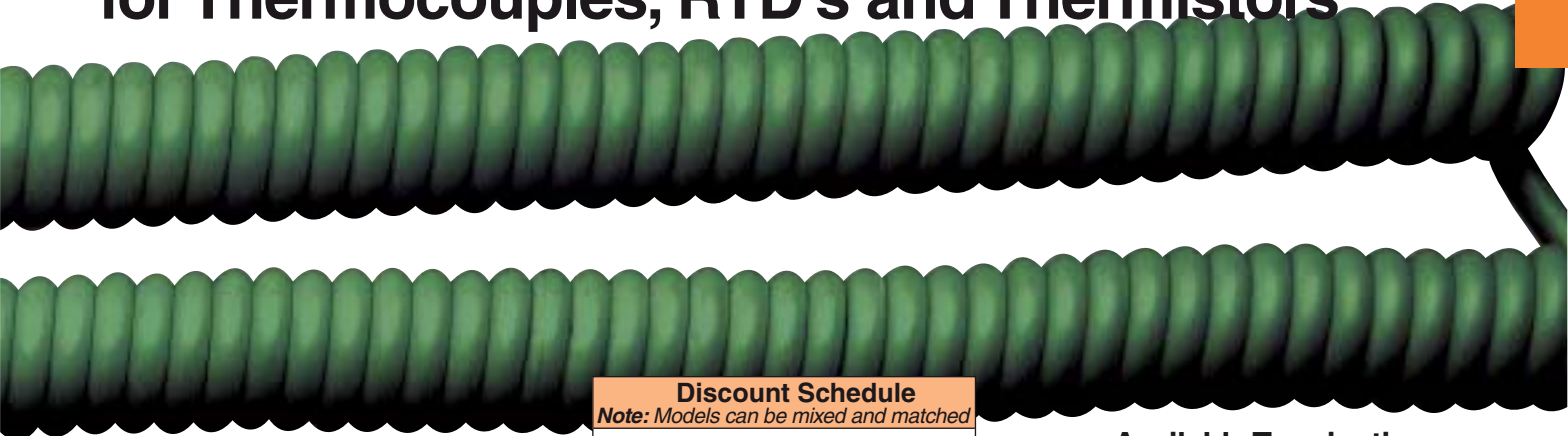
Length: Coiled lengths of 30cm, 60cm, 90cm, or 120cm with 15 cm straight ends. Straight wire length per 30cm of retracted coil = 268 cm; maximum expanded length of 30cm coil = approximately 1.5m

Length Tolerance: ±10%



Available in J, K, T, N and E Calibrations and Uncompensated for RTD's and Thermistors

Colour Coded, Spring Coiled Retractable Cables for Thermocouples, RTD's and Thermistors



Discount Schedule	
<i>Note: Models can be mixed and matched</i>	
1 to 10 units	Net
11 to 24 units	10%
25 to 49 units	15%
59 to 99 units	20%
100 units and up	Consult Sales

**ALL MODELS IN STOCK
FOR FAST DELIVERY!**

Colour Code of Cables

Code	Calibration	Jacket	+Wire	-Wire
Jl	Iron/Constantan	Black	Black	White
Kl	CHROMEGA™/ALOMEGA™	Green	Green	White
Tl	Copper/Constantan	Brown	Brown	White
El	CHROMEGA™/Constantan	Purple	Purple	White
RTD/TH	Copper (3-Wire)	White	2 Black	Red

Also available in Type NI

Typical Resistance of Cables

Ohms Per Running 300mm of Cable 300mm Coiled (1.5m Extended)				Ohms Per 300mm of Wire (Three Wires Per Cable)	
Jl	Kl	Tl	El	RTD and Thermistor	
16.3	27.5	14.0	33.1	0.57	

How To Order

- Fill the 1st box (1) with desired Calibration. Use symbols "Jl", "Kl", "Tl", "El", "NI" for thermocouple calibration; "RTD" for resistance temperature detector; or "TH" for thermistor.
- Fill in 2nd box (2) with retracted coil length in cm: 30cm, 60cm, 90cm or 120cm.
- Fill in 3rd box (3) with termination style number (one end).
- Fill in 4th box (4) with termination style number (other end).

To Order (Specify Model Number)

Model No.	Input Type	O.D. mm (in)
RSC-(1)-(2)-(3)-(4)	T/C	4.2 mm (0.165")
RSC-RTD-(2)-(3)-(4)	RTD	4.4 mm (0.175")
RSC-TH-(2)-(3)-(4)	TH	4.24 mm (0.175")
RSCM*(1)-(2)-(3)-(4)	T/C	3.4 mm (0.135")

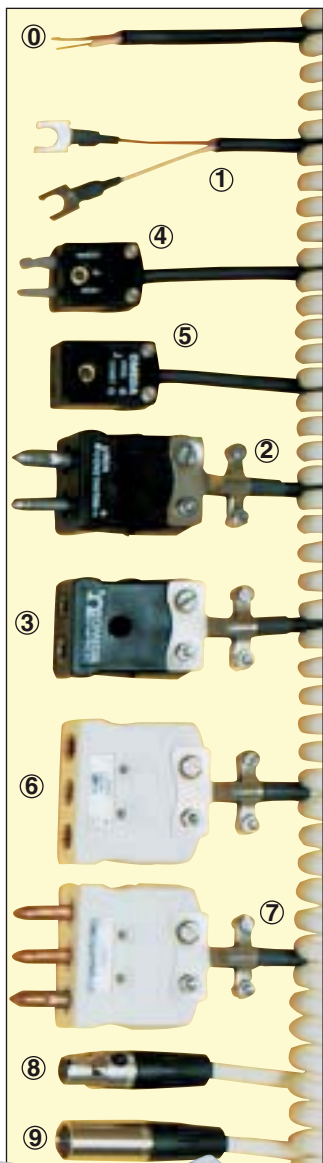
- (1) Thermocouple Type: Jl, Kl, Tl, NI or El
- (2) Retracted Length cm: 30cm, 60cm, 90cm or 120cm
- (3) Termination Style (End #1)
- (4) Termination Style (End #2)

* M = Miniature Retractable Cable
† Indicate associated meter or pin out desired for connector

Ordering Example: RSC-Kl-60cm-1-2 calls for a 60cm long, Type Kl retractable sensor cable with spade lugs on one end and a male OST connector on the other.

Available Terminations

- Style 0**
1 inch Trimmed Ends Standard
- Style 1**
Compensated Spade Lugs
- Style 4**
OMEGA SMP-M (Male)
- Style 5**
OMEGA SMP-F (Female)
- Style 2**
OMEGA OST-M (Male)
- Style 3**
OMEGA OST-F (Female)
- Style 6**
OMEGA OTP-F (Female) (RTD & Thermistor)
- Style 7**
OMEGA OTP-M (Male) (RTD & Thermistor)
- Style 8†**
OMEGA TA3-FL (Female)
- Style 9†**
OMEGA TA3-ML (Male)
- New Styles:**
- Style 10**
OMEGA MTP-F (Female) (RTD & Thermistor)
- Style 11**
OMEGA MTP-M (Male) (RTD & Thermistor)



omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



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

Deckenfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

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

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet 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