

UL Listed Extension Grade Thermocouple Wire

EXPP Series
Starts at
\$255
300 m (1000') Spool

**FOR LONGER LENGTHS
CONSULT SALES FOR
PRICE AND DELIVERY!**



- ✓ UL Listed Type PLTC, 300 V; Listed Under UL Subject 13, File E153789
- ✓ Extruded PVC Single Conductor and Duplex Insulation
- ✓ ANSI Color Coded
- ✓ Resistant to Moisture, Abrasion, Chemicals, and UV Light



Shown smaller than actual size.

OMEGA® duplex extension grade thermocouple wire performs continuously at temperatures to 105°C (220°F). The wire's flexibility permits installation in conduit and wiring trays, and it is easily stripped by hand or using mechanical methods. Insulation is PVC. The wire is UL listed for Power Limited Tray Cable (PLTC) applications.

Note: Overbraiding wire invalidates UL rating.

Spool Pricing Guidelines	
Multiply 300 m or 1000' spool price by multiplier and round to the nearest dollar. Consult Sales for price quote.	
7.5 m or 25'	= Price from Chart x 0.0625
15 m or 50'	= Price from Chart x 0.1
30 m or 100'	= Price from Chart x 0.175
60 m or 200'	= Price from Chart x 0.3
150 m or 500'	= Price from Chart x 0.5
300 m or 1000'	= Price from Chart x 1.0

ANSI color code shown **To order IEC color code see page A-9**

Examples:
50' spool of thermocouple extension grade wire, type K, 16 gage, UL listed EXPP-K-16-UL-50, (Price = \$540 for 1000'):
50' Spool = \$540 x 0.1 = \$54.00

Extension Grade
CHROMEGA®/ALOMEGA®
Duplex
ANSI Type **KX**



ANSI Color Code: Positive Wire, Yellow; Negative Wire, Red; Overall, Yellow

MOST POPULAR MODEL HIGHLIGHTED!

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight		Price/1000'
		inches	mm	Conductor	Overall	inches	mm	inches	mm	lb/1000'	kg/300 m	
EXPP-K-14-UL	14	0.064	1.62	0.020	0.51	0.035	0.89	0.184 x 0.288	4.7 x 7.3	40	18	\$1495
EXPP-K-16S-UL	16S	0.060	1.52	0.015	0.38	0.035	0.89	0.171 x 0.261	4.3 x 6.6	39	17.7	1310
EXPP-K-16-UL	16	0.051	1.29	0.015	0.38	0.035	0.89	0.160 x 0.250	4.1 x 6.4	37	16.8	865
EXPP-K-18S-UL	18S	0.048	1.22	0.015	0.38	0.035	0.89	0.158 x 0.236	4.0 x 6.0	31	14	1270
EXPP-K-20S-UL	20S	0.038	0.965	0.015	0.38	0.035	0.89	0.148 x 0.226	3.8 x 5.7	24	10.9	625
EXPP-K-20-UL	20	0.032	0.813	0.015	0.38	0.035	0.89	0.137 x 0.204	3.5 x 5.2	22	10	485

Ordering Example: EXPP-K-20-UL-1000, 1000' (300 m) UL listed extension grade thermocouple wire, 20 gage, type KX = \$485.

Extension Grade
CHROMEGA®/Constantan
Duplex
ANSI Type EX

EX



All products shown actual size.

**MOST POPULAR
MODELS HIGHLIGHTED!**

ANSI Color Code: Positive Wire, Purple; Negative Wire, Red; Overall, Purple

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight		Price 1000'
		inches	mm	Conductor		Overall		inches	mm	lb/1000'	kg/300 m	
EXPP-E-16-UL	16	0.051	1.3	0.015	0.38	0.035	0.89	0.160 x 0.250	4.1 x 6.4	37	16.8	\$1215
EXPP-E-18S-UL	18S	0.048	1.2	0.015	0.38	0.035	0.89	0.158 x 0.236	4.0 x 6.0	31	14	1000
EXPP-E-20-UL	20	0.032	0.81	0.015	0.38	0.035	0.89	0.137 x 0.204	3.5 x 5.2	22	10	370

Ordering Example: EXPP-E-16-UL-50, 50' of extension grade thermocouple wire, 16 gage, type EX, UL listed (\$1215 per 1000').
\$1215 X 0.1 = \$121

Extension Grade
Copper/Alloy#11
Duplex
ANSI Type RX/SX

RX/SX

Compensating Extension Wires for Platinum (-)/Platinum-Rhodium (+) Thermocouples

ANSI Color Code: Positive Wire, Black; Negative Wire, Red; Overall, Green

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight		Price 1000'
		inches	mm	Conductor		Overall		inches	mm	lb/1000'	kg/300 m	
EXPP-RS-16-UL	16	0.051	1.3	0.015	0.38	0.035	0.89	0.160 x 0.250	4.1 x 6.4	37	16.8	\$515

Ordering Example: EXPP-RS-16-UL-100 100' of extension grade thermocouple wire, 16 gage, type RX/SX, UL listed (\$515 per 1000').
\$515 X 0.175 = \$90

Extension Grade
Iron/Constantan
Duplex
ANSI Type JX

JX

ANSI Color Code: Positive Wire, White; Negative Wire, Red; Overall, Black

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight		Price 1000'
		inches	mm	Conductor		Overall		inches	mm	lb/1000'	kg/300 m	
EXPP-J-14-UL	14	0.064	1.6	0.020	0.51	0.035	0.89	0.184 x 0.288	4.7 x 7.3	40	18	\$855
EXPP-J-16S-UL	16S	0.060	1.5	0.015	0.38	0.035	0.89	0.171 x 0.261	4.3 x 6.6	39	17.7	720
EXPP-J-16-UL	16	0.051	1.3	0.015	0.38	0.035	0.89	0.160 x 0.250	4.1 x 6.4	37	16.8	475
EXPP-J-20S-UL	20S	0.038	0.97	0.015	0.38	0.035	0.89	0.148 x 0.226	3.8 x 5.7	24	10.9	420
EXPP-J-20-UL	20	0.032	0.81	0.015	0.38	0.035	0.89	0.137 x 0.204	3.5 x 5.2	21	10	240

Ordering Example: EXPP-J-20-UL-1000, 1000' of extension grade thermocouple wire, 20 gage, type JX, UL listed, \$240.

Extension Grade
Copper/Constantan
Duplex
ANSI Type TX

TX

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.

ANSI Color Code: Positive Wire, Blue; Negative Wire, Red; Overall, Blue

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight		Price 1000'
		inches	mm	Conductor		Overall		inches	mm	lb/1000'	kg/300 m	
EXPP-T-14-UL	14	0.064	1.62	0.020	0.51	0.035	0.89	0.184 x 0.288	4.7 x 7.3	40	18	\$895
EXPP-T-16-UL	16	0.051	1.29	0.015	0.38	0.035	0.89	0.160 x 0.250	4.1 x 6.5	37	16.8	530
EXPP-T-20S-UL	20S	0.038	0.965	0.015	0.38	0.035	0.89	0.148 x 0.226	3.7 x 5.7	24	10.9	450
EXPP-T-20-UL	20	0.032	0.813	0.015	0.38	0.035	0.89	0.137 x 0.204	3.5 x 5.2	22	10	250

"S" Denotes stranded wire, e.g., "20S" is seven strands of 28 AWG wire, or 7/28

Ordering Example: EXPP-T-20-UL-500, 500' of extension grade thermocouple wire, 20 gage, type TX, UL listed (\$250 per 1000').
\$250 X 0.5 = \$125

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.

UNITED KINGDOM

www.omega.co.uk

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

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

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