

UL Listed Extension Grade Thermocouple Wire

EXPP Series
300 m (1000') Spool



For Longer Lengths Consult Sales for Price and Delivery!



Shown smaller than actual size.

- ✓ 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

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 visit us online**

Examples:
50' spool of thermocouple extension grade wire, type K, 16 gage, UL listed EXPP-K-16-UL-50.

Extension Grade
CHROMEGA®/ALOMEGA®
Duplex
ANSI Type KX

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

Model Number	AWG Gage	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight	
		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
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
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
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
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
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

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

Extension Grade
CHROMEGA®/Constantan
 Duplex
 ANSI Type EX

EX

All products shown actual size.



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	
		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
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
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

Ordering Example: EXPP-E-16-UL-50, 50' of extension grade thermocouple wire, 16 gage, type EX, UL listed.

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	
		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

Ordering Example: EXPP-RS-16-UL-100 100' of extension grade thermocouple wire, 16 gage, type RX/SX, UL listed.

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	
		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
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
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
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
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

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

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	
		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
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
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
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

"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.