

UL Listed Extension Grade Thermocouple Wire

EXPP Series
300 m (1000') Spool



- ✓ 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

For Longer Lengths Consult Sales for Price and Delivery!



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 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

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	inches	mm	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

Wiring 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	
				Conductor		Overall					
		inches	mm	inches	mm	inches	mm	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	
				Conductor		Overall					
		inches	mm	inches	mm	inches	mm	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	
				Conductor		Overall					
		inches	mm	inches	mm	inches	mm	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	
				Conductor		Overall					
		inches	mm	inches	mm	inches	mm	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.