

# UL Listed Extension Grade Thermocouple Wire

**EXPP Series**  
**300 m (1000') Spool**



- ✓ **UL Listed Type PLTC,**  
**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**
- ✓ **Available in Standard**  
**Spool Lengths: 25 ft,**  
**50 ft, 100 ft, 200 ft,**  
**500 ft, and 1000 ft or**  
**7.5 m, 30 m, 60 m,**  
**150 m, and 300 m**

**For Longer**  
**Lengths Consult**  
**Sales for Price and**  
**Delivery!**



Shown smaller  
than actual size.

**ANSI**  
**color**  
**code**  
**shown**

**To order**  
**IEC color**  
**code visit**  
**us online**

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.

**Extension Grade**  
**CHROMEKA®/**  
**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



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.

