

UL Listed Twisted Shielded Extension Grade Thermocouple Wire IEC Color Codes

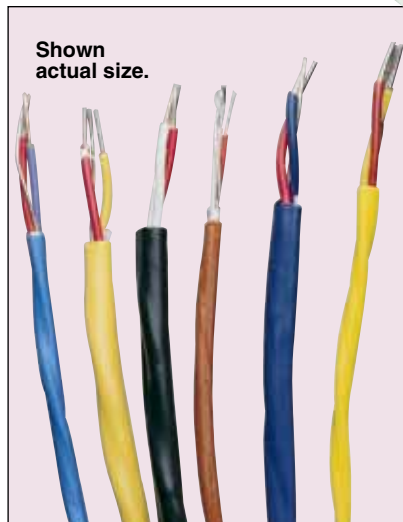
TWSH-UL Wire



- ✓ UL Listed Type PLTC, 300V; Listed Under UL Subject 13, File E153789
- ✓ Extruded PVC Single Conductor and Duplex Insulation
- ✓ IEC Color Coded
- ✓ Aluminized Polyester Shield with Drain Wire Reduces Electrical Noise
- ✓ Resistant to Moisture, Abrasion, Chemicals, and UV Light
- ✓ Standard spool lengths of 7.5, 15, 30, 60, 150, and 300m

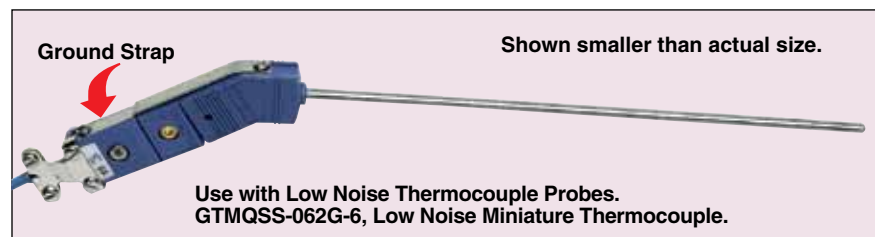
OMEGA® twisted/shielded thermocouple wire is ideal for systems sensitive to induced voltages and electrical noise. The wire conductors are insulated with color-coded PVC, then twisted with a tin/copper drain wire. Next, an aluminized polyester tape is wrapped around the wires, followed by a final layer of PVC coating. The wire is UL listed for Power Limited Tray Cable (PLTC) applications.

Note: Overbraiding wire invalidates UL rating.



Shown actual size.
Wire is shielded and supplied with an integral tin/copper drain wire.

For Longer Lengths Consult Sales for Price and Delivery!



Use with Low Noise Thermocouple Probes.
GTMQSS-062G-6, Low Noise Miniature Thermocouple.

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.

Extension Grade
**CHROMEGA®-
 ALOMEGA®** **KX**
 Duplex
 IEC Type

IEC Color Code: Green (+), White (-), Green overall

To Order Visit omega.com/expp-k-twsh-ul for Pricing and Details

Model Number	AWG	Bare Conductor Diameter		Nominal Insulation Thickness				Nominal Overall Size		Approx Ship Wt kg/300 m (lb/1000') spool
				Conductor		Overall				
		inches	mm	inches	mm	inches	mm	inches	mm	
EXPP-KI-16-TWSH-UL-*	16	0.051	1.3	0.020	0.51	0.035	0.89	0.290	7.4	22.2 (49)
EXPP-KI-16S-TWSH-UL-*	16S	0.060	1.5	0.020	0.51	0.035	0.89	0.290	7.4	22.7 (50)
EXPP-KI-20-TWSH-UL-*	20	0.032	0.81	0.015	0.38	0.035	0.89	0.225	5.7	12.7 (28)
EXPP-KI-20S-TWSH-UL-*	20S	0.038	0.97	0.015	0.38	0.035	0.89	0.230	5.7	13.6 (30)

* Add spool length. For example: EXPP-KI-16-TWSH-UL-30M

Extension Grade
 Iron/Constantan
 Duplex **JX**
 IEC Type

IEC Color Code: Black (+), White (-), Black overall

Model Number	AWG	Bare Conductor Diameter		Nominal Insulation Thickness				Nominal Overall Size		Approx Ship Wt kg/300 m (lb/1000') spool
				Conductor		Overall				
		inches	mm	inches	mm	inches	mm	inches	mm	
EXPP-JI-16-TWSH-UL-*	16	0.051	1.3	0.020	0.51	0.035	0.89	0.290	7.4	22.2 (49)
EXPP-JI-16S-TWSH-UL-*	16S	0.060	1.5	0.020	0.51	0.035	0.89	0.290	7.4	22.7 (50)
EXPP-JI-20-TWSH-UL-*	20	0.032	0.81	0.015	0.38	0.035	0.89	0.225	5.7	12.7 (28)
EXPP-JI-20S-TWSH-UL-*	20S	0.038	0.97	0.015	0.38	0.035	0.89	0.230	5.8	13.6 (30)

* Add spool length. For example: EXPP-JI-16-TWSH-UL-30M

Extension Grade
 Copper/Constantan
 Duplex **TX**
 IEC Type

IEC Color Code: Brown (+), White (-), Brown overall

Model Number	AWG	Bare Conductor Diameter		Nominal Insulation Thickness				Nominal Overall Size		Approx Ship Wt kg/300 m (lb/1000') spool
				Conductor		Overall				
		inches	mm	inches	mm	inches	mm	inches	mm	
EXPP-TI-16-TWSH-UL-*	16	0.051	1.3	0.020	0.51	0.035	0.89	0.290	7.4	22.2 (49)
EXPP-TI-16S-TWSH-UL-*	16S	0.060	1.5	0.020	0.51	0.035	0.89	0.290	7.4	22.7 (50)
EXPP-TI-20-TWSH-UL-*	20	0.032	0.81	0.015	0.38	0.035	0.89	0.225	5.7	12.7 (28)
EXPP-TI-20S-TWSH-UL-*	20S	0.038	0.97	0.015	0.38	0.035	0.89	0.230	5.8	13.6 (24)

* Add spool length. For example: EXPP-TI-16-TWSH-UL-30M

Extension Grade
 CHROMEGA®/
 Constantan **EX**
 Duplex IEC Type

IEC Color Code: Purple (+), White (-), Purple overall

Model Number	AWG	Bare Conductor Diameter		Nominal Insulation Thickness				Nominal Overall Size		Approx Ship Wt kg/300 m (lb/1000') spool
				Conductor		Overall				
		inches	mm	inches	mm	inches	mm	inches	mm	
EXPP-EI-16-TWSH-UL-*	16	0.051	1.3	0.020	0.51	0.035	0.89	0.290	7.4	22.2 (49)
EXPP-EI-16S-TWSH-UL-*	16S	0.060	1.5	0.020	0.51	0.035	0.89	0.290	7.4	22.7 (50)
EXPP-EI-20-TWSH-UL-*	20	0.032	0.81	0.015	0.38	0.035	0.89	0.225	5.7	12.7 (28)
EXPP-EI-20S-TWSH-UL-*	20S	0.038	0.97	0.015	0.38	0.035	0.89	0.230	5.8	13.6 (24)

* Add spool length. For example: EXPP-EI-16-TWSH-UL-30M

NOTE

16 gage stranded base wire uses 16 gage stranded uninsulated drain wire.

16 gage solid base wire uses 18 gage solid uninsulated drain wire.

20 gage stranded base wire uses 22 gage stranded uninsulated drain wire.

20 gage solid base wire uses 22 gage solid uninsulated drain wire.

24 gage solid base wire uses 24 gage solid uninsulated drain wire.

24 gage stranded base wire uses 24 gage stranded uninsulated drain wire.

All stranded drain wire is 7 strands