

Thermocouple Extension Wire

Overview

- Thermocouple extension wire for Types J, K and T
- Unshielded PVC and Fiberglass Jackets
- Shielded PVC Jackets with aluminum Mylar shield and copper drain wire
- Cut to length
- Standard ASTM/ANSI color coding



Thermocouple Extension Wire											
Part Number	Wt (lb)	Minimum Cut Length (ft)*	Gauge, AWG	Conductors	Conductor Insulation	Shield and Drain Wire	Jacket Material	Limits of Error**	Continuous Temperature Range	Nominal Size (inches)	Price per foot
THMWK-20-1U-P-1	0.7	20	20	2, solid	PVC Red = Negative Yellow = Positive	None	PVC, Yellow	Standard	-20°F to 221°F (-29°C to 105°C)	0.095 x 0.158	\$0.36
THMWJ-20-1U-P-1	0.7	20	20	2, solid	PVC Red = Negative White = Positive	None	PVC, Black	Standard	-20°F to 221°F (-29°C to 105°C)	0.095 x 0.158	\$0.23
THMWT-20-1U-P-1	0.5	20	20	2, solid	PVC Red = Negative Blue = Positive	None	PVC, Blue	Standard	-20°F to 221°F (-29°C to 105°C)	0.059 x 0.097	\$0.28
THMWK-20-1U-G-1	0.5	20	20	2, solid	Fiberglass braid Red = Negative Yellow = Positive	None	Fiberglass Braid, Brown w/ yellow tracer	Standard	32°F to 900°F (0 to 482°C)	0.059 x 0.097	\$0.46
THMWJ-20-1U-G-1	0.7	20	20	2, solid	Fiberglass braid Red = Negative White = Positive	None	Fiberglass braid, Brown w/ black tracer	Standard	32°F to 900°F (0 to 482°C)	0.059 x 0.097	\$0.35
THMWT-20-1U-G-1	0.5	20	20	2, solid	Fiberglass braid Red = Negative Blue = Positive	None	Fiberglass braid, Brown w/ blue tracer	Standard	32°F to 900°F (0 to 482°C)	0.059 x 0.097	\$0.34

* See web store for maximum cut lengths

** Per ASTM E230 / E230M-12

Note: Special connectors and terminal blocks are required to connect thermocouples to a control device. Both are available from www.automationdirect.com

Note: Maximum recommended distance between thermocouple and control device is 100 feet.

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Part Number	Wt (lb)	Minimum Cut Length (ft)*	Gauge, AWG	Conductors	Conductor Insulation	Shield and Drain Wire	Jacket Material	Limits of Error**	Continuous Temperature Range	Nominal Size (inches)	Price per foot
											
THMWK-20-1S-P-1	0.5	20	20	2, twisted, solid	PVC Red = Negative Yellow = Positive	Aluminum Mylar shield and copper 22AWG drain wire	PVC, Yellow	Standard	-20°F to 221°F (-29°C to 105°C)	0.170 O.D.	\$0.51
											
THMWJ-20-1S-P-1	0.5	20	20	2, twisted, solid	PVC Red = Negative White = Positive	Aluminum Mylar shield and copper 22AWG drain wire	PVC, Black	Standard	-20°F to 221°F (-29°C to 105°C)	0.170 O.D.	\$0.36
											
THMWT-20-1S-P-1	0.5	20	20	2, twisted, solid	PVC Red = Negative Blue = Positive	Aluminum Mylar shield and copper 22 AWG drain wire	PVC, Blue	Standard	-20°F to 221°F (-29°C to 105°C)	0.059 x 0.097	\$0.42

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Please Note: Our prices on instrumentation cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.