Thermocouple and Extension Wire

Polyvinyl Chloride (PVC) Insulated Extension Wire SERIES 502

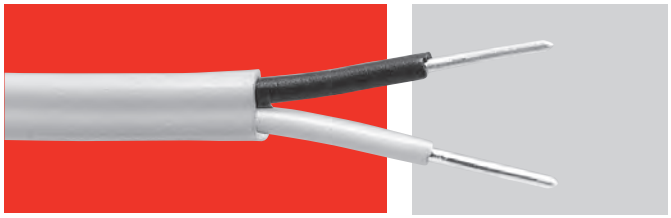
SERIES 502 is an economical wire that has PVC for the primary and duplex insulation.

The primary and duplex insulation is PVC. It yields a construction that is inexpensive and performs continuously at temperatures up to 220°F (105°C).

SERIES 502 is often used in conduit and wiring trays where its flexibility allows for easy installation. It can be easily stripped using hand tools or mechanical methods.

Performance Capabilities

- Continuous temperature rating: 220°F (105°C)
- Flexible PVC plastic insulation
- Available with an optional metallic overbraid for additional abrasion resistance



Applications

- General use extension wire

Specifications

Continuous use temperature

- 220°F (105°C)

Single use temperature

- 220°F (105°C)

Resistance properties

- Moisture: Excellent
- Chemical: Excellent
- Abrasion: Excellent

Popular Constructions

Grade	AWG	Wire Type	Limits of Error	Type K	Type J	Type T	Type E	Type S
Extension	16	Solid	Standard	**K16-5-502**	**J16-5-502**			
		Stranded	Standard	K16-7-502	J16-7-502			
	20	Solid	Standard	**K20-5-502**	**J20-5-502**	**T20-5-502**	**E20-5-502**	**S20-5-502**
		Stranded	Standard	**K20-7-502**	**J20-7-502**	**T20-7-502**		
	24	Solid	Standard	K24-5-502	J24-5-502	T24-5-502		
		Stranded	Standard	K24-7-502	J24-7-502	T24-7-502		

Note: Bolded products are stocked.

Wire Specifications

AWG	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight	
			Conductor		Overall					
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lbs/1000 ft	(kg/km)
24	0.020	(0.508)	0.015	(0.381)	0.015	(0.381)	0.080 x 0.130	(2.03 x 3.30)	10	(14.9)
24 S* (7/32)	0.024	(0.610)	0.015	(0.381)	0.015	(0.381)	0.084 x 0.138	(2.13 x 3.51)	11	(16.4)
20	0.032	(0.813)	0.015	(0.381)	0.015	(0.381)	0.092 x 0.154	(2.34 x 3.91)	14	(20.9)
20 S* (7/28)	0.038	(0.965)	0.015	(0.381)	0.015	(0.381)	0.098 x 0.166	(2.49 x 4.22)	16	(23.8)
16	0.051	(1.29)	0.020	(0.508)	0.020	(0.508)	0.131 x 0.222	(3.33 x 5.64)	28	(41.7)
16 S* (7/24)	0.060	(1.52)	0.020	(0.508)	0.020	(0.508)	0.140 x 0.240	(3.56 x 6.10)	30	(44.7)

* “S” denotes stranded wire: e.g., “24 S (7/32)” is seven strands of 32 gauge wire to make a 24 gauge stranded conductor.

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PVC Insulated Extension Wire SERIES 502 (Continued)

Ordering Information

Part Number

① ASTM E 230 Calibration	② ③ AWG	④ Conductor Type/ Tolerance	⑤	⑥	⑦
			5	0	2

①	ASTM E 230 Calibration
E =	Type E
J =	Type J
K =	Type K
S =	Type S
T =	Type T

② ③	AWG
24 =	24 gauge solid or 24 gauge stranded (7/28)
20 =	20 gauge solid or 20 gauge stranded (7/28)
16 =	16 gauge solid or 16 gauge stranded (7/24)

④	Conductor Type/Tolerance
5 =	Extension grade, solid wire, standard tolerance
6 =	Extension grade, solid wire, special tolerance
7 =	Extension grade, stranded wire, standard tolerance
8 =	Extension grade, stranded wire, special tolerance

Note: Minimum order sizes apply for non-stock constructions.