

SERV-RITE Wire

Thermocouple Wire

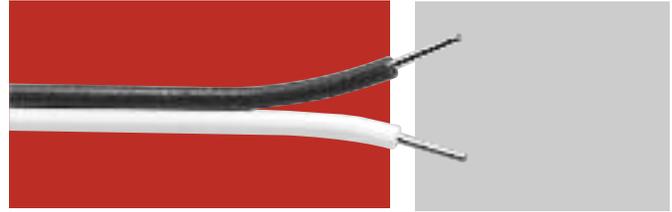
PVC Insulated "RIPCORD" SERIES 505

The SERIES 505 is the most economical wire produced. Unlike some competitive "ripcord" type constructions which use only a stripe to establish polarity, SERIES 505 single conductors are fully color coded. The conductors are individually insulated with the proper colored PVC and fused into "ripcord" using a proprietary process.

Insulated conductors can be easily separated by hand once the bond between conductors has been slit. As with other PVC insulated products, SERIES 505 lends itself well to both manual and mechanical stripping methods.

Performance Capabilities

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



Applications

- Laboratory
- Test stand
- Automotive

Specifications

Continuous use temperature

- 220°F (105°C)

Single use temperature

- 220°F (105°C)

Resistance properties

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

Popular Constructions

Grade	AWG	Wire Type	Limits of Error	Type K	Type J	Type T
Thermocouple	24	Solid	Standard	K24-1-505	J24-1-505	T24-1-505
		Solid	Special	K24-2-505	J24-2-505	T24-2-505

Note: Bolded products are stocked.

Wire Specifications

AWG	Nominal Conductor Size		Nominal Conductor Insulation Thickness		Nominal Overall Size		Approximate Shipping Weight	
	in.	(mm)	in.	(mm)	in.	(mm)	lbs/1000 ft	(kg/km)
26	0.016	(0.406)	0.015	(0.381)	0.046 x 0.088	(1.17 x 2.24)	4	(6.0)
24	0.020	(0.508)	0.015	(0.381)	0.050 x 0.096	(1.27 x 2.44)	5	(7.5)

Ordering Information

Part Number

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

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

② ③	AWG
26	= 26 gauge solid
24	= 24 gauge solid or 24 gauge stranded (7/32)
20	= 20 gauge solid or 20 gauge stranded (7/28)

④	Conductor Type/Tolerance
1	= Thermocouple grade, solid wire, standard tolerance
2	= Thermocouple grade, solid wire, special tolerance
3	= Thermocouple grade, stranded wire, standard tolerance
4	= Thermocouple grade, stranded wire, special tolerance

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