

# THERMOSTAT WIRE

Rated 150 Volts.  
Sunlight-Resistant -20°C to 60°C.  
18 and 20 Gauge Copper Conductors.  
Sunlight Resistant



## APPLICATIONS

Southwire's Thermostat Wire is a class 2 power-limited circuit cable for use in thermostat control applications, bell and alarm systems.

## SPECIFICATIONS

- CL2- Power Limited per NEC Article 725. MP- Multi Purpose Cable per Articles 725, 760, and 800. CM-Communication Cable per Article 800
- Sunlight Resistant, PVC Insulation, and Solid Bare Copper per UL Standard 13
- RoHS Compliant
- OSHA Acceptable

## CONSTRUCTION

Southwire Thermostat Wire is manufactured using solid copper conductors with 6 mils of polyvinyl chloride insulation. The conductors are paralleled and covered with a brown PVC jacket.

# Thermosat Wire

18 Gauge Thermostat Wire				
Size (AWG)/Number of Conductors	Conductor Colors	Jacket Thickness Nom.(mils)	Approx. Overall Cable Diameter (mils)	Approx. Net Weight Per 1000' (lbs.)
18/2	Red, White	14	132	16.0
18/3	Red, White, Green	14	140	21.7
18/4	Red, White, Green, Blue	14	154	27.5
18/5	Red, White, Green, Blue, Yellow	15	170	33.7
18/6	Red, White, Green, Blue, Yellow, Brown	15	186	39.6
18/7	Red, White, Green, Blue, Yellow, Brown, Orange	15	186	45.1
18/8	Red, White, Green, Blue, Yellow Brown, Orange, Black	15	202	51.0
18/9	Red, White, Green, Blue, Yellow Brown, Orange, Black, Pink	15	218	56.9
18/10	Red, White, Green, Blue, Yellow, Brown, Orange, Black, Pink, Gray	15	246	64.8
18/12	Red, White, Green, Blue, Yellow Brown, Orange, Black, Pink, Gray, Tan, Purple	15	245	74.1

All Thermostat wire is constructed with solid conductors, polypropylene insulation (6 mils), parallel conductors, PVC jacket, 25 pF/ft capacitance between conductors @ 1 KHz (Nom.), and 6.32 Ohms/1000 foot DC resistance per conductor @ 20°C (nom.)

20 Gauge Thermostat Wire				
Size (AWG)/Number of Conductors	Conductor Colors	Jacket Thickness Nom.(mils)	Approx. Overall Cable Diameter (mils)	Approx. Net Weight Per 1000' (lbs.)
20/2	Red, White	14	114	11.2
20/3	Red, White, Green	14	121	14.7
20/4	Red, White, Green, Blue	14	132	18.3
20/5	Red, White, Green, Blue, Yellow	15	147	22.2
20/6	Red, White, Green, Blue, Yellow, Brown	15	160	25.9
20/7	Red, White, Green, Blue, Yellow Brown, Orange	15	160	29.2
20/8	Red, White, Green, Blue, Yellow Brown, Orange, Black	15	173	32.8
20/9	Red, White, Green, Blue, Yellow, Brown, Orange, Black, Pink	15	185	36.5
20/10	Red, White, Green, Blue, Yellow, Brown, Orange, Black, Pink, Gray	15	202	40.2
20/12	Red, White, Green, Blue, Yellow Brown, Orange, Black, Pink, Gray, Tan, Purple	15	209	47.0

All Thermostat wire is constructed with solid conductors, polypropylene insulation (6 mils), parallel conductors, PVC jacket, 22 pF/ft capacitance between conductors @ 1 KHz (Nom.), and 10.73 Ohms/1000 foot DC resistance per conductor @ 20°C (nom.)