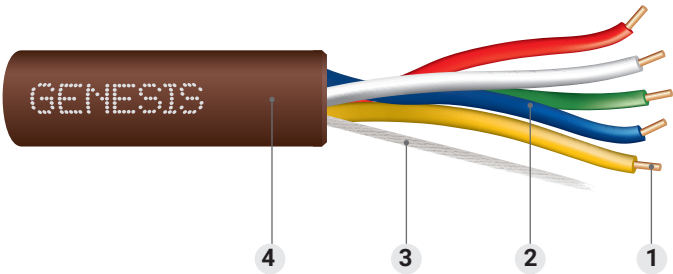


# Thermostat Cable

## General Purpose

# -GENESIS-

Genesis Thermostat Cables guarantee reliable signal transmission between thermostats and heating/cooling systems, keeping today's indoor environments comfortable and energy efficient.



### Construction

- 1. Conductor:** Bare Copper conductors for excellent conductivity and low voltage drop
- 2. Insulation:** Polypropylene
- 3. Rip Cord:** Durable rip cord for efficient jacket stripping and removal
- 4. Jacket:** PVC  
Sequential length marking included for easy tracking of usage

### Applications

Installed in a metal raceway that complies with 300.22(B)

Supported by solid bottom metal cable trays with solid metal covers

Within buildings in other than air-handling spaces and risers

Exposed to sunlight

### Specifications

UL 1685 – General Purpose Rated

UL 13 – Power-Limited Circuit Cables, Type CL2

Sunlight Resistant Rated

REACH/RoHS Compliant

Rated for 150 Volts

Rated for -20°C to 75°C

| Conductor Color Codes: Thermostat Cable |        |  |
|-----------------------------------------|--------|--|
| Conductor Number                        | Color  |  |
| 1                                       | Red    |  |
| 2                                       | White  |  |
| 3                                       | Green  |  |
| 4                                       | Blue   |  |
| 5                                       | Yellow |  |
| 6                                       | Brown  |  |
| 7                                       | Orange |  |
| 8                                       | Black  |  |
| 9                                       | Pink   |  |
| 10                                      | Gray   |  |
| 11                                      | Tan    |  |
| 12                                      | Purple |  |

### Sample Print Legend

GENESIS THERMOSTAT CABLE P/N XXXX XC X AWG (ETL) CL2 SUN RES 75C (RoHS)  
W/O #XXXXXX-XXXXXX XXXX FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

| Thermostat Cable, General Purpose |                      |                      |           |                           |                       |                       |                                     |                     |                     |
|-----------------------------------|----------------------|----------------------|-----------|---------------------------|-----------------------|-----------------------|-------------------------------------|---------------------|---------------------|
| Part Number                       | Conductor Size (AWG) | Number of Conductors | Stranding | Insulation Thickness (in) | Jacket Thickness (in) | Nominal Diameter (in) | DC Resistance (Ohms/1000ft at 20°C) | Capacitance (pF/ft) | Weight (lbs/1000ft) |
| 4720                              | 22                   | 2                    | Solid     | 0.005                     | 0.015                 | 0.102                 | 18                                  | 18.8                | 6.8                 |
| 4721                              | 22                   | 4                    | Solid     | 0.005                     | 0.015                 | 0.117                 | 18                                  | 18.8                | 11.3                |
| 4722                              | 22                   | 5                    | Solid     | 0.005                     | 0.015                 | 0.123                 | 18                                  | 18.8                | 13.5                |
| 4723                              | 22                   | 7                    | Solid     | 0.005                     | 0.015                 | 0.139                 | 18                                  | 18.8                | 18.0                |
| 4724                              | 22                   | 8                    | Solid     | 0.005                     | 0.015                 | 0.148                 | 18                                  | 18.8                | 20.4                |
| 4701                              | 20                   | 2                    | Solid     | 0.005                     | 0.015                 | 0.115                 | 11.1                                | 20.6                | 9.4                 |
| 4702                              | 20                   | 3                    | Solid     | 0.005                     | 0.015                 | 0.122                 | 11.1                                | 20.6                | 12.8                |
| 4703                              | 20                   | 4                    | Solid     | 0.005                     | 0.015                 | 0.133                 | 11.1                                | 20.6                | 16.3                |
| 4704                              | 20                   | 5                    | Solid     | 0.005                     | 0.015                 | 0.140                 | 11.1                                | 20.6                | 19.6                |
| 4705                              | 20                   | 6                    | Solid     | 0.005                     | 0.015                 | 0.150                 | 11.1                                | 20.6                | 23.1                |
| 4706                              | 20                   | 7                    | Solid     | 0.005                     | 0.015                 | 0.158                 | 11.1                                | 20.6                | 26.4                |
| 4707                              | 20                   | 8                    | Solid     | 0.005                     | 0.017                 | 0.173                 | 11.1                                | 20.6                | 30.6                |
| 4710                              | 18                   | 2                    | Solid     | 0.005                     | 0.015                 | 0.134                 | 6.52                                | 22.8                | 14.1                |
| 4711                              | 18                   | 3                    | Solid     | 0.005                     | 0.015                 | 0.142                 | 6.52                                | 22.8                | 19.5                |
| 4712                              | 18                   | 4                    | Solid     | 0.005                     | 0.015                 | 0.155                 | 6.52                                | 22.8                | 25.2                |
| 4713                              | 18                   | 5                    | Solid     | 0.005                     | 0.017                 | 0.167                 | 6.52                                | 22.8                | 31.3                |
| 4714                              | 18                   | 6                    | Solid     | 0.005                     | 0.017                 | 0.180                 | 6.52                                | 22.8                | 37.0                |
| 4715                              | 18                   | 7                    | Solid     | 0.005                     | 0.018                 | 0.192                 | 6.52                                | 22.8                | 42.9                |
| 4716                              | 18                   | 8                    | Solid     | 0.005                     | 0.018                 | 0.205                 | 6.52                                | 22.8                | 48.6                |
| 4717                              | 18                   | 9                    | Solid     | 0.005                     | 0.020                 | 0.219                 | 6.52                                | 22.8                | 54.8                |
| 4718                              | 18                   | 10                   | Solid     | 0.005                     | 0.020                 | 0.229                 | 6.52                                | 22.8                | 60.4                |
| 4719                              | 18                   | 12                   | Solid     | 0.005                     | 0.020                 | 0.247                 | 6.52                                | 22.8                | 71.5                |
| 6713                              | 18/20                | 5                    | Solid     | 0.005                     | 0.015                 | 0.114                 | 6.52/11.1                           | –                   | 21.8                |
| 6716                              | 18/20                | 8                    | Solid     | 0.005                     | 0.017                 | 0.176                 | 6.52/11.1                           | –                   | 32.8                |
| 6718                              | 18/20                | 10                   | Solid     | 0.005                     | 0.018                 | 0.198                 | 6.52/11.1                           | –                   | 42.2                |

## Genesis Cable

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