



**Part Number: 5341PT**

Thermostat & Control, #18-2pr, TC, Individ. Foil, CMR

## Product Description

Thermostat & Control Cable, Riser-CMR, 2-18 AWG stranded tinned copper pairs with foam polyolefin insulation, Individually Beldfoil® shielded and PVC jacket with ripcord

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18  | 7x26      | TC - Tinned Copper | 2            |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 18 AWG |

#### Insulation

| Material                                 | Material Trade Name |
|--|---------------------|
| FHDPE - Foamed High Density Polyethylene | Datalene®           |

#### Color Chart

| Number | Color         |
|--------|---------------|
| 1      | Black & White |
| 2      | Green & Red   |

#### Inner Shield Material

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | 18            | 7x26                         |
|      | TC - tinned copper           |                     |              |               |                              |

#### Outer Jacket Material

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.308 in         |

### Electrical Characteristics

#### Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|------------------------------------|-----------------------|
| 5.3 Ohm/1000ft                     | 6.6 Ohm/1000ft        |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 16.9 pF/ft                              |

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.21 µH/ft         |

#### Delay

| Max. Delay Skew | Nominal Velocity of Propagation (VP) [%] |
|-----------------|--|
| 78 ns/100m      | 78 %                                     |

#### High Freq

| Max./Min. Input Impedance (unFitted) |
|--------------------------------------|
| 100 Ohm                              |

#### Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 8.1 Amps per conductor @ 25°C A |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

#### Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 75°C           |
| Operating Temp Range: | -20°C To +75°C |

#### Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 54 lbs/1000ft |
| Max Recommended Pulling Tension: | 134 lbs       |
| Min Bend Radius/Minor Axis:      | 3.1 in        |

#### Standards

|                          |     |
|--------------------------|-----|
| NEC/(UL) Specification:  | CMR |
| CEC/C(UL) Specification: | CMG |

#### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-02-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

#### Flammability, LS0H, Toxicity Testing

|                     |              |
|---------------------|--------------|
| C(UL) Flammability: | FT4          |
| UL Flammability:    | UL1666 Riser |
| UL voltage rating:  | 300 V RMS    |

#### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6341PT |

#### Part Number

##### Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 5341PT 0011000 | Brown | 612825161202 | C        |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

#### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.237 Revision Date: 07-11-2019 |
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