



**Product:** [6660FT](#) 

Thermostat & Control, #24-2c, TC, O/A Foil, CMP

## Product Description

Thermostat & Control Cable, Plenum-CMP, 1-24 AWG solid tinned copper pair with foam FEP insulation, Beldfoil® shield, Flamarrest® jacket

## Technical Specifications

### Product Overview

|                        |                                        |
|------------------------|----------------------------------------|
| Suitable Applications: | Thermostat, Control, Noisy Environment |
|------------------------|----------------------------------------|

### Construction Details

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 24 AWG | Solid     | TC - Tinned Copper |

#### Insulation

| Element | Material                                    | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|---------|---------------------------------------------|--------------------|--------------------------|---------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene (Foam) | 0.013 in (0.33 mm) | 0.047 in (1.2 mm)        | Black & White |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (Solid) TC |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.128 in      |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.128 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Nom. Inductance        | Nom. Velocity of Prop. | Max. Current                   |
|--------------------|-------------------------------|-------------------------------|------------------------|------------------------|--------------------------------|
| 28.4 Ohm/1000ft    | 16.9 pF/ft (55.4 pF/m)        | 100 Ohm                       | 0.21 µH/ft (0.69 µH/m) | 78%                    | 2.1 Amps per Conductor at 25°C |

|                       |                               |
|-----------------------|-------------------------------|
| Nom Outer Shield DCR: | 19.7 Ohm/1000ft (64.6 Ohm/km) |
|-----------------------|-------------------------------|

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C To +75°C |

#### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.28 in (32.5 mm) | 1.28 in           |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 15 lbs (6.8 kg) |
| Bulk Cable Weight: | 9 lbs/1000ft    |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                                                                   |
| Flammability / Reaction to Fire: | NFPA 262 (UL910), FT6                                                                                                     |
| NEC / UL Compliance:             | Article 800, CMP                                                                                                          |
| CEC / C(UL) Compliance:          | CMP.                                                                                                                      |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |
| Non-Plenum Number:               | 5660FT                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.471 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 6660FT 0011000 | Brown | 612825178811 | C        |

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

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