# BELDEN

**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. Velocity of Prop. | Max. Current |
|---|---|---|---|---|
| 28.4 Ohm/1000ft | 16.9 pF/ft (55.4 pF/m) | 100 Ohm | 78% | 2.1 Amps per Conductor at 25ºC |

**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: 0.470 Revision Date: 03-04-2024 |

## Part Numbers

**Variants**

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

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