



## Product: [6661PT](#)

Thermostat & Control, #24-2pr, TC, Indiv. Foil, CMP

### Product Description

Thermostat & Control Cable, Plenum-CMP, 2-24 AWG solid tinned copper pairs with foam FEP insulation, Individually Beldfoil® shielded and Flamarrest® jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Thermostat, Control, Noisy Environment
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
24	Solid	TC - Tinned Copper	2

Total Number of Pairs: 2

##### Insulation

Material
FEP - Fluorinated Ethylene Propylene (Foam)

##### Color Chart

Number	Color
1	Black & White
2	Green & Red

##### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Alum / Poly	Beldfoil®	100.0%	TC - Tinned Copper	24

##### Outer Shield Material

Drainwire Construction n x D
Solid

##### Outer Jacket Material

Material Trade Name	Nominal Diameter
Flamarrest®	0.155 in

#### Electrical Characteristics

##### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
15.3 Ohm/1000ft	24.8 Ohm/1000ft	24.8 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
13.7 pF/ft

#### Inductance

##### Nominal Inductance

0.21  $\mu$ H/ft

#### Impedance

##### Nominal Characteristic Impedance

100 Ohm

#### Delay

##### Max. Delay Skew | Nominal Velocity of Propagation (VP) [%]

78 ns/100m | 78%

#### High Freq

##### Max./Min. Input Impedance (unFitted)

100 +/- 10 Ohm

#### Current

##### Max. Recommended Current [A]

3.2 Amps per Conductor at 25°C

#### 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:	16.9 lbs/1000ft
Max. Pull Tension:	30 lbs
Min Bend Radius/Minor Axis:	1.6 in

#### Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-02-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color	UPC
6661PT 0011000	Brown	612825178828

Footnote: C - CRATE REEL PUT-UP.

### History

Update and Revision: Revision Number: 0.242 Revision Date: 06-08-2020

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