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

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 µH/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 25ºC

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

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

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