




Product: [6661PT](#) 

Thermostat & Control, #24-2pr, TC, Individ. 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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	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
78 ns/100m

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
-----------------------	-----

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: 0.244 Revision Date: 08-25-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.