




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
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Pairs
24	Solid	TC - Tinned Copper	1
Total Number of Pairs:			1

Insulation	
Material	
FEP - Fluorinated Ethylene Propylene (Foam)	

Color Chart	
Number	Color
1	Black & White

Outer Shield Material						
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100%	TC - Tinned Copper	24	Solid

Outer Jacket Material	
Material Trade Name	Nominal Diameter
Flamarrest®	0.128 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
24.8 Ohm/1000ft	15.3 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	
16.9 pF/ft	

Inductance	
Nominal Inductance	
0.21 µH/ft	

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
100 Ohm	+/- 20 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
78 ns/100m	78%

High Freq

Max./Min. Input Impedance (unFitted)
100 ± 22 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:	9.2 lbs/1000ft
Max. Pull Tension:	15 lbs
Min Bend Radius/Minor Axis:	1.3 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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-02-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	5660FT
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Variants

Item #	Color	UPC
6660FT 0011000	Brown	612825178811

Footnote:	C - CRATE REEL PUT-UP.
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History

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