




Product: [6340FT](#) 

Thermostat & Control, #18-2c, TC, O/A Foil, CMP

Product Description

Thermostat & Control Cable, Plenum-CMP, 1-18 AWG stranded 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
18	7x26	TC - Tinned Copper	1

Conductor Count:	2
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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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18	Solid

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.232 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.6 Ohm/1000ft	16.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
16.9 pF/ft

Inductance

Nominal Inductance
0.21 µH/ft

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]
8.1 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:	26 lbs/1000ft
Max. Pull Tension:	67 lbs
Min. Bend Radius/Minor Axis:	2.3 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
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

Variants

Item #	Color	UPC
6340FT 0011000	Brown	612825176244

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.320 Revision Date: 08-27-2021
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