



Product: [5340FT](#) 

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

Product Description

Thermostat & Control Cable, Riser-CMR, 1-18 AWG stranded tinned copper pair with foam polyolefin insulation, Beldfoil® shield, PVC 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	Material Trade Name
PE - Polyethylene (Foam)	Datalene®

Color Chart

Number	Color
1	Black & White

Outer Shield

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	Nominal Diameter
PVC - Polyvinyl Chloride	0.26 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

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
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100 Ohm	± 22 Ohm
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Delay

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

Current

Max. Recommended Current [A]
8.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temperature Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	26 lbs/1000ft
Maximum Recommended Pulling Tension:	67 lbs
Minimum Minor Axis Bend Radius:	2.6 in

Standards

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6340FT

Related Part Numbers

Variants

Item #	Color	UPC
5340FT 0011000	Brown	612825161110

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.330 Revision Date: 02-03-2025
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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.