




Product: [5540FT](#) 

Thermostat & Control, #22-2c, TC, O/A Foil, CMR

Product Description

Thermostat & Control Cable, Riser-CMR, 1-22 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
22	7x30	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 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	22	Solid

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.172 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.5 Ohm/1000ft	19 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
16.9 pF/ft

Inductance

Nominal Inductance
0.21 µH/ft

Delay

Max. Delay Skew

78 ns/100m

High Freq**Max./Min. Input Impedance (unFitted)**

100 ± 22 Ohm

Current**Max. Recommended Current [A]**

4.3 Amps per Conductor at 20°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:	12 lbs/1000ft
Max. Pull Tension:	27 lbs
Min Bend Radius/Minor Axis:	1.8 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	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, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Riser
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6540FT

Part Number**Variants**

Item #	Color	UPC
5540FT 0011000	Brown	612825164234

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.250 Revision Date: 09-30-2020
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