

**Part Number: 5541PT**

**Thermostat & Control, #22-2pr, TC, Individ. Foil, CMR**



## Product Description

Thermostat & Control Cable, Riser-CMR, 2-22 AWG stranded tinned copper pairs with foam polyolefin insulation, Individually Beldfoil® shielded and PVC jacket

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2

Conductor Count:	4
Conductor Size:	22 AWG

#### Insulation

Material	Material Trade Name
FHDPE - Foamed High Density Polyethylene	Datalene®

#### Color Chart

Number	Color
1	Black & White
2	Green & Red

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned copper	22	7x30 mm

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.202 in

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
12.7 Ohm/1000ft	14.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
16.9 pF/ft

Shielding:	Individually Foiled + No Overall
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#### 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 Ohm

## Current

### Max. Recommended Current [A]

8.1 Amps per conductor @ 25°C A

## 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:	23.3 lbs/1000ft
Max Recommended Pulling Tension:	54 lbs
Min Bend Radius/Minor Axis:	2 in

## Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, 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:	6541PT

## Part Number

### Variants

Item #	Color	Footnote
5541PT 0011000	Brown	C

Footnote: C - CRATE REEL PUT-UP.

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