



Product: <u>5541PT</u> ☑

Thermostat & Control, #22-2pr, TC, Indiv. 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**

#### **Product Overview**

Suitab	le Applicatio	ns:				Thermostat, Control, Noisy Environment
Phvsi	ical Char	acteri	stics (Ove	rall)		
Conduc				- ,		
AWG	Stranding	N	Material Material	No. of Pairs	5	
22	7x30	TC - Ti	inned Copper	2		
Condu	ctor Count:					4
Insulati	ion					
	Material		Material Tra	de Name		
PE - P	olyethylene	(Foam)	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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned copper	22	7x30

#### **Outer Jacket Material**

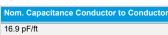
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.202 in

### **Electrical Characteristics**

### Conductor DCR

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

### Capacitance



#### Inductance

Nominal Inductance

# Delay

Max. Delay Skew 78 ns/100m

# High Freq

Max./Min. Input Impedance (unFitted)
100 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:	23.3 lbs/1000ft
Max. Pull Tension:	54 lbs
Min Bend Radius/Minor Axis:	2 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, 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

itelli #	00101	OI O
5541PT 0011000	Brown	612825164265
Footnote:		
	5541PT 0011000	5541PT 0011000 Brown

# History

Update and Revision:	Revision Number: 0.248 Revision Date: 08-25-2020

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