



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**

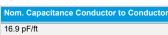
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.202 in

#### **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

#### © 2020 Belden, Inc

### All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product 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.