

5541PT Multi-Conductor - Thermostat & Control

For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductors, Datalene® insulation, Individually Beldfoil® shielded twisted pairs each with 22 AWG stranded tinned copper drain wire, PVC jacket. Sequential footage marking every two feet.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

Inner Shield**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	7x30	TC - tinned copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.202 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & White
2	Green & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	23.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	54 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMR

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CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	02/01/2006
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1666 Riser
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6541PT

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)
.21

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
16.900

Nominal Velocity of Propagation:

VP (%)
78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
14.500

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 12.700 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
8.1 Amps per conductor @ 25°C

Input/Unfitted Impedance:

Impedance (Ohm)
100.000

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5541PT 0011000	1,000 FT	25.000 LB	BROWN	C	2 FS PR #22 FHDPE FRPVC

Notes:

C = CRATE REEL PUT-UP.

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