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1-800-Belden1



General Description:

Thermostat & Control Cable, Plenum-CMP, 2-24 AWG solid tinned copper pairs with foamed FEP insulation, Individually Beldfoil® shielded and Flamarrest® jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	24	Solid	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material
FFEP - Foam Fluorinated Ethylene Propylene

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	Plenum Grade PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 3.937 mm

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:	25.151 Kg/Km
Max. Recommended Pulling Tension:	133.446 N
Min. Bend Radius/Minor Axis:	40.640 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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

METRIC MEASUREMENT VERSION

6661PT Multi-Conductor - Thermostat & Control

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:	UL910 Plenum
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H/m}$)
0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
44.9497

Nominal Velocity of Propagation:

VP (%)
78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
81.3688

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
50.1993

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.2 Amps per conductor @ 25°C

Input/Unfitted Impedance:

Impedance (Ohm)
100 +/- 10

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6661PT 0011000	1,000 FT	17.000 LB	BROWN	C	2 PR #24 FFEP FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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