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please call

1-800-Belden1



### General Description:

Thermostat & Control Cable, Plenum-CMP, 1-24 AWG solid tinned copper pair with foamed FEP insulation, Beldfoil® shield, Flamarrest® jacket

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	24	Solid	TC - Tinned Copper

Total Number of Conductors: 2

#### 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: 3.251 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 13.691 Kg/Km

Max. Recommended Pulling Tension: 66.723 N

Min. Bend Radius/Minor Axis: 33.020 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

EU Directive 2002/96/EC (WEEE): Yes

## METRIC MEASUREMENT VERSION

## 6660FT Multi-Conductor - Thermostat & Control

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 (µH/m)**  
0.68901

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
55.4489

### 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 +/- 22

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6660FT 0011000	1,000 FT	11.000 LB	BROWN	C	1 FS PR #24 FFEP FLRST

### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 03-13-2013

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