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please call

1-800-Belden1



## General Description:

Thermostat & Control Cable, Plenum-CMP, 1-22 AWG stranded tinned copper pair with foamed FEP insulation, Beldfoil® shield, Flamarrest® jacket

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	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
22	(7x30)	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: 4.115 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: 19.347 Kg/Km

Max. Recommended Pulling Tension: 120.101 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

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

## METRIC MEASUREMENT VERSION

## 6540FT 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)**  
47.5745

### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**  
62.339

### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

### Max. Recommended Current:

**Current**  
4.3 Amps per conductor @ 20°C

### Input/Unfitted Impedance:

**Impedance (Ohm)**  
100+/- 22

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6540FT 0011000	1,000 FT	15.000 LB	BROWN		1 FS PR #22 FFEP FLRST

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