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1-800-Belden1



## General Description:

Thermostat & Control Cable, Plenum-CMP, 1-18 AWG stranded tinned copper pair with foamed FEP insulation, Beldfoil® shield, Flamarrest® jacket

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	7x26	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
18	(7x26)	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: 5.893 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: 38.693 Kg/Km

Max. Recommended Pulling Tension: 298.029 N

Min. Bend Radius/Minor Axis: 58.420 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

## 6340FT Multi-Conductor - Thermostat & Control

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
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)
21.6546

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
55.449

### 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 +/- 22

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6340FT 0011000	1,000 FT	32.000 LB	BROWN	C	1 FS PR #18 FFEP FLRST

### Notes:

C = CRATE REEL PUT-UP.

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