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please call

1-800-Belden1



## General Description:

Thermostat & Control Cable, Riser-CMR, 1-24 AWG solid tinned copper pair with foamed polyolefin insulation, Beldfoil® shield, PVC 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 Trade Name | Insulation Material                    |
|-----------------------|--|
| Datalene®             | FHDPE - Foam High Density Polyethylene |

### 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 Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

### Overall Cable

Overall Nominal Diameter: 3.505 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: 13.096 Kg/Km

Max. Recommended Pulling Tension: 66.723 N

Min. Bend Radius/Minor Axis: 35.560 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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

## 5660FT 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:    | UL1666 Riser |
| C(UL) Flame Test: | FT4          |

### Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6660FT |

## 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               |
|----------------|----------|-------------|-------|-------|-------------------------|
| 5660FT 0011000 | 1,000 FT | 11.000 LB   | BROWN | C     | 1 FS PR #24 FHDPE FRPVC |

**Notes:**  
C = CRATE REEL PUT-UP.

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