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1-800-Belden1



### General Description:

Thermostat & Control Cable, Riser-CMR, 2-22 AWG stranded tinned copper pairs with foamed polyolefin insulation, Individually Beldfoil® shielded and PVC jacket

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

#### Inner Shield

##### Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

##### Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	7x30	TC - tinned copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 5.131 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: 34.675 Kg/Km

Max. Recommended Pulling Tension: 240.203 N

Min. Bend Radius/Minor Axis: 50.800 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
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:	6541PT

## Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.68901

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
55.449

#### Nominal Velocity of Propagation:

VP (%)
78

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
47.575

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 41.669 Ohm/km

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
8.1 Amps per conductor @ 25°C

#### Input/Unfitted Impedance:

Impedance (Ohm)
100.000

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5541PT 0011000	1,000 FT	25.000 LB	BROWN	C	2 FS PR #22 FHDPE FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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