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1-800-Belden1



General Description:

Thermostat & Control Cable, Riser-CMR, 1-18 AWG stranded tinned copper pair with foamed polyolefin insulation, Beldfoil® shield, PVC 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 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: 6.604 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: 66.040 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

5340FT Multi-Conductor - Thermostat & Control

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:	6340FT

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
100	+/- 22

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5340FT 0011000	1,000 FT	34.000 LB	BROWN	C	1 FS PR #18 FHDPE FRPVC

Notes:

C = CRATE REEL PUT-UP.

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