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General Description:

Thermostat & Control Cable, Riser-CMR, 1-22 AWG stranded tinned copper pair with foamed polyolefin insulation, Beldfoil® shield, PVC 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 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: 4.369 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: 17.858 Kg/Km

Max. Recommended Pulling Tension: 120.101 N

Min. Bend Radius/Minor Axis: 45.720 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: CMR

5540FT 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: 6540FT

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
5540FT 0011000	1,000 FT	15.000 LB	BROWN	C	1 FS PR #22 FHDPE FRPVC

Notes:

C = CRATE REEL PUT-UP.

5540FT Multi-Conductor - Thermostat & Control

Revision Number: 2 Revision Date: 09-12-2013

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