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1-800-Belden1



General Description:

Thermostat & Control Cable, Plenum-CMP, 2-18 AWG stranded tinned copper pairs with foamed FEP insulation, Individually Beldfoil® shielded and Flamarrest® jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	18	7x26	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material
FFEP - Foam Fluorinated Ethylene Propylene

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
18	7X26	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: 7.112 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

Bulk Cable Weight: 83.339 Kg/Km

Max. Recommended Pulling Tension: 596.059 N

Min. Bend Radius/Minor Axis: 71.120 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

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

METRIC MEASUREMENT VERSION

6341PT Multi-Conductor - Thermostat & Control

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

Mil Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL910 Plenum

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
44.9497

Nominal Velocity of Propagation:

VP (%)
78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.6546

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 18.702 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 +/- 10

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6341PT 0011000	1,000 FT	60.000 LB	BROWN	C	2 PR #18 FFEP FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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