BELDEN

Product: 6341PT ⧉

Thermostat & Control, #18-2pr, TC, Indiv. Foil, CMP

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Thermostat, Control, Noisy Environment

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	7x26	TC - Tinned Copper	2

Conductor Count:	4

Insulation

Material
FEP - Fluorinated Ethylene Propylene (Foam)

Color Chart

Number	Color
1	Black & White
2	Green & Red

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18	7x26

Outer Jacket

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.28 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
13.7 pF/ft

Inductance

Nominal Inductance
0.21 µH/ft

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
78 ns/100m	78%

High Frequency

Max./Min. Input Impedance (unFitted)
100 ± 10 Ohm

Current

Max. Recommended Current [A]
8.1 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	56 lbs/1000ft
Max. Pull Tension:	134 lbs
Min. Bend Radius/Minor Axis:	2.8 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Related Part Numbers

Variants

Item #	Color	UPC
6341PT 0011000	Brown	612825176299

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.331 Revision Date: 05-05-2023

Mouser Electronics

Authorized Distributor

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