



Product: <u>6341PT</u> ☑

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 Black & White 1 2 Green & Red Outer Shield Coverage [%] Drainwire Material Drainwire AWG Drainwire Construction n x D Material Material Trade Name Туре Bi-Laminate (Alum+Poly) Таре Beldfoil® 100% TC - Tinned Copper 18 7x26 Outer Jacket Material Material Trade Name Nominal Diamete 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

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 25°C

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

Update and Revision:

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

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