Product: 6661PT ↗

Thermostat & Control, #24-2pr, TC, Indiv. Foil, CMP

Product Description

Thermostat & Control Cable, Plenum-CMP, 2-24 AWG solid tinned copper pairs with foam FEP insulation, Individually Beldfoil® shielded and Flamarrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	Thermostat, Control, Noisy Environment

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	2	24 AWG	Solid	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.013 in (0.33 mm)	0.047 in (1.2 mm)	Black & White, Green & Red

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (Solid) TC

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.015 in (0.38 mm)	0.155 in

Overall Cable Diameter (Nominal):	0.155 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
32.8 Ohm/1000ft	20.8 Ohm/1000ft (68.2 Ohm/km)	34.9 pF/ft (115 pF/m)	62.8 pF/ft (206 pF/m)	60 Ohm	53%	1.68 Amps per Conductor at 30ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating

75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.55 in (39.4 mm)	1.55 in

Max. Pull Tension:	27.1 lbs (12.3 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

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

Part Numbers

Variants

Item #	Color	UPC
6661PT 0011000	Brown	612825178828