



Product: [5541PT](#) 

Thermostat & Control, #22-2pr, TC, Individ. Foil, CMR

Product Description

Thermostat & Control Cable, Riser-CMR, 2-22 AWG stranded tinned copper pairs with foam polyolefin insulation, Individually Beldfoil® shielded and PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Thermostat, Control, Noisy Environment
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene (Foam)	0.0175 in (0.445 mm)	0.064 in (1.6 mm)	Black and White, Green and Red	HDPE

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.202 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
17.9 Ohm/1000ft	16.9 pF/ft (55.4 pF/m)	0.21 μ H/ft (0.69 μ H/m)	78%	2.1 Amps per Conductor at 25°C
Nom Outer Shield DCR:		0.84 Ohm/1000ft (2.8 Ohm/km)		

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.
2.02 in (51.3 mm)	2.02 in

Max. Pull Tension:	58.8 lbs (26.7 kg)
Bulk Cable Weight:	23.3 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1666 riser, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6541PT

History

Update and Revision:	Revision Number: 0.338 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5541PT 0011000	Brown	612825164265	C

Footnote:	C - CRATE REEL PUT-UP.
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