



REPRESENTATIVE IMAGE

Product: [8641](#)

Electronic, 2 C #24 Str TC, PE Ins, OS, PVC Jkt, CM

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Product Description

Electronic, 2 Conductor 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	PE - Polyethylene	0.017	Black & Clear

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	24 AWG (7x32) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in	0.168 in

Cable Diameter (Nominal):	0.168 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Max. Current
Pair(s)	25 Ohm/1000ft	22 pF/ft	42 pF/ft	80 Ohm	2.2 Amps per Conductor at 25°C

Nom Outer Shield DCR:	14.6 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2092)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 2092)	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.

1.75 in	1.7 in
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Max. Pull Tension:	11 lbs
Bulk Cable Weight:	12 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2092
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88641, 82641

History

Update and Revision:	Revision Number: 0.344 Revision Date: 07-31-2020
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