



Product: [8729](#)

Electronic, 4 C #22 Str TC, PE Ins, OS, PVC Jkt, CM

[Request Sample](#)

Product Description

Electronic, 4 Conductor 22AWG (19x34) 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 control (24v, ...); line level audio; voice communications; panel wiring
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	22 AWG	19x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PE - Polyethylene	0.016 in (0.41 mm)	Black, Red, Green, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (Solid) TCCS	Also has Stranded #25 drain

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.051 in (1.3 mm)	0.257 in (6.53 mm)

Overall Cable Diameter (Nominal): 0.257 in (6.53 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	14 Ohm/1000ft (46 Ohm/km)	22 pF/ft (72 pF/m)	42 pF/ft (140 pF/m)	2.3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2094)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C (UL AWM 2094)	-40°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	100 lbs (45 kg)
Bulk Cable Weight:	43 lbs/1000ft (64 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, FT1, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM, CL3
AWM Compliance:	AWM 2094
CEC / C(UL) Compliance:	CM
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: 0.369 Revision Date: 12-15-2021
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8729 009500	White	Reel	500 ft	612825214724
8729 009U500	White	UnReel	500 ft	612825214700
8729 0091000	White	Reel	1,000 ft	612825214717
8729 009U1000	White	UnReel	1,000 ft	612825214694
8729 0095000	White	Reel	5,000 ft	612825214731

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