



REPRESENTATIVE IMAGE

Product: [8459](#)

Electronic, 25 C #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 25 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

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	AWG	Stranding	Material
Conductor(s)	25	22	7x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe, Red/White Stripe, Green/White Stripe, Blue/White Stripe, Black/Red Stripe, White/Red Stripe, Orange/Red Stripe, Blue/Red Stripe, Red/Green Stripe, Orange/Green Stripe, Black/White/Red Stripes, White/Black/Red Stripes, Red/Black/White Stripes, Green/Black/White Stripes

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.387 in

Cable Diameter (Nominal):	0.387 in (9.83 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	15.6 Ohm/1000ft (51.2 Ohm/km)	34 pF/ft (110 pF/m)	1.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CMG), 150 V (UL AWM 2576)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 2576)	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
3.9 in (99 mm)	3.9 in (99 mm)

Max. Pull Tension:	228 lbs (103 kg)
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Bulk Cable Weight:	101 lbs/1000ft (150 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2576
CEC / C(UL) Compliance:	CMG
CPR Euroclass:	Eca
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)

History

Update and Revision:	Revision Number: 0.341 Revision Date: 07-02-2021
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