



Product: [9261](#) 

Electronic, 12 C #20 Str TC, PVC Ins, OA TC Brd, PVC Jkt, CMG

 [Request Sample](#)

Product Description

Electronic, 12 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, 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)	12	20	7x28	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe

Outer Shield Material

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in	0.396 in

Cable Diameter (Nominal):	0.396 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	9.5 Ohm/1000ft	26 pF/ft	57 pF/ft	3.2 Amps per Conductor at 25°C

Nom Outer Shield DCR:	2.4 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 2464)	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
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4 in	4 in
Max. Pull Tension:	180 lbs
Bulk Cable Weight:	105 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
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)

History

Update and Revision:	Revision Number: 0.350 Revision Date: 03-16-2021
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