



REPRESENTATIVE IMAGE

Product: [8466](#)

Electronic, 12 C #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 12 Conductor 18AWG (19x30) 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)	12	18	19x30	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.018 in (0.46 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

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.412 in

Cable Diameter (Nominal):	0.412 in (10.5 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	6.3 Ohm/1000ft (21 Ohm/km)	26 pF/ft (85 pF/m)	3.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2598)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 2598)	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
4.1 in (100 mm)	4.1 in (100 mm)

Max. Pull Tension:	296 lbs (134 kg)
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Bulk Cable Weight:	113 lbs/1000ft (168 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:	2598
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

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