



REPRESENTATIVE IMAGE

**Product:** [8465](#)

Electronic, 5 C #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

## Product Description

Electronic, 5 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)	5	18	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, White, Red, Green, Brown

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.282 in

Cable Diameter (Nominal):	0.282 in (7.16 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)	4 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.
2.8 in (71 mm)	2.8 in (71 mm)

Max. Pull Tension:	124 lbs (56.2 kg)
Bulk Cable Weight:	50 lbs/1000ft (74 kg/km)

### 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: 0.342 Revision Date: 07-02-2021
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