



REPRESENTATIVE IMAGE

**Product:** [8461](#)

Electronic, 2 C #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

## Product Description

Electronic, 2 Conductor 18AWG (7x26) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	7x26	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	Black & White

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.027 in (0.69 mm)	0.234 in

Cable Diameter (Nominal):	0.234 in (5.94 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	22 pF/ft (72 pF/m)	4.8 Amps per Conductor at 20°C

#### Voltage

UL Voltage Rating
300 V (CMG), 300 V (CL3)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
-20°C to +80°C	-20°C to +80°C

#### Bend Radius

Stationary Min.	Installation Min.
2.3 in (58 mm)	2.3 in (58 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	26 lbs/1000ft (39 kg/km)

### 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 725, Article 800, CMG, CL3
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: 0.346 Revision Date: 07-02-2021
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