



REPRESENTATIVE IMAGE

Product: [8465](#)

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

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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	Size	Stranding	Material
Conductor(s)	5	18 AWG	19x30	TC - Tinned Copper

Insulation

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.033 in (0.84 mm)	0.282 in (7.16 mm)

Overall 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 Temperature	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
Bulk Cable Weight:	50 lbs/1000ft (74 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2598
CEC / C(UL) Compliance:	CMG
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: 0.349 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8465 060100	Chrome	Reel	100 ft	612825208259
8465 060500	Chrome	Reel	500 ft	612825208273
8465 060U500	Chrome	UnReel	500 ft	612825208242
8465 0601000	Chrome	Reel	1,000 ft	612825208266
8465 060U1000	Chrome	UnReel	1,000 ft	612825208235
8465 0605000	Chrome	Reel	5,000 ft	612825208280

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