



REPRESENTATIVE IMAGE

Product: [8690](#)

Electronic, 3 Pr #18 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 3 Pair 18AWG (16x30) 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	Size	Stranding	Material
Pair(s)	3	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.013 in (0.33 mm)	Black & Red, Black & White, Black & Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.347 in (8.81 mm)

Overall Cable Diameter (Nominal): 0.347 in (8.81 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	25.5 pF/ft (83.7 pF/m)	3.4 Amps per Conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
3.5 in (89 mm)	3.5 in (89 mm)

Max. Pull Tension: 134 lbs

Bulk Cable Weight: 61 lbs/1000ft (91 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
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:	2464
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)

History

Update and Revision:	Revision Number: 0.357 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8690 060100	Chrome	Reel	100 ft	612825214069
8690 060500	Chrome	Reel	500 ft	612825214083
8690 060U500	Chrome	UnReel	500 ft	612825214052
8690 0601000	Chrome	Reel	1,000 ft	612825214076
8690 0605000	Chrome	Reel	5,000 ft	612825214090

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