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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

Construction Details

Conductor

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

Insulation

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.027 in (0.69 mm)	0.234 in (5.94 mm)

Overall Cable Diameter (Nominal):	0.234 in (5.94 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)	22 pF/ft (72 pF/m)	4.8 Amps per Conductor at 20ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	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 / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
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: 0.354 Revision Date: 12-15-2021

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8461 060100	Chrome	Reel	100 ft	612825208167
8461 060500	Chrome	Reel	500 ft	612825208181
8461 060U500	Chrome	UnReel	500 ft	612825208150
8461 0601000	Chrome	Reel	1,000 ft	612825208174
8461 060U1000	Chrome	UnReel	1,000 ft	612825208143
8461 0605000	Chrome	Reel	5,000 ft	612825208198

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