Product: 8471

Electronic, 2 C #16 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 16AWG (19x29) 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	No. of Elements	Size	Stranding	Material
Pair(s)	1	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.023 in (0.58 mm)	0.105 in (2.67 mm)	Black & White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.274 in (6.96 mm)

Overall Cable Diameter (Nominal):	0.274 in (6.96 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	4.52 Ohm/1000ft	33 pF/ft (110 pF/m)	18 Amps per Conductor at 30ºC

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2598)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
2.7 in (69 mm)	2.7 in (69 mm)

Max. Pull Tension:	94 lbs (43 kg)
Bulk Cable Weight:	38 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
AWM Compliance:	AWM 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)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.514 Revision Date: 02-15-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8471.00U152	Chrome	UnReel	152 m	8719605018229	
8471.01152	Chrome	Reel	152 m	8719605018243	
8471.00305	Chrome	Reel	305 m	8719605018212	
8471.00U305	Chrome	UnReel	305 m	8719605018236	
8471 060500	Chrome	Reel	500 ft	612825208556	C
8471 060U500	Chrome	UnReel	500 ft	612825208532	
8471 0601000	Chrome	Reel	1,000 ft	612825208549	C
8471 060U1000	Chrome	UnReel	1,000 ft	612825208525	
8471.001000	Chrome	Reel	1,000 m	8719605018205	
8471 0605000	Chrome	Reel	5,000 ft	612825208563	