

Part Number: 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	16 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.023 in

Color Chart

Number	Color
1	Black & White

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.274 in	0.032 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.49 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
33 pF/ft

Inductance

Nominal Inductance
0.19 µH/ft

Current

Element	Max. Recommended Current [A]
10C temperature rise	6.1 Amps per conductor @ 25°C ambient

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	61 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CL3, CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2598 (300 V 60°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
8471.00305	Chrome	
8471.00U152	Chrome	
8471.00U305	Chrome	
8471.01152	Chrome	
8471 0601000	Chrome	C
8471 060500	Chrome	C

8471 0605000	Chrome	
8471 060U1000	Chrome	
8471 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.

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