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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**Part Number: 9873**

Audio, Control & Instrument, #20-3pr, PO, Individ. Foil, PVC Jkt, CM



## Product Description

Audio, Control & Instrument Cable, 20 AWG stranded (7x28) tinned copper conductors, polypropylene insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
20	7x28	TC - Tinned Copper	6	3

Conductor Count:	6
Conductor Size:	20 AWG

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.015 in

#### Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	19x34 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.341 in	0.035 in

### Construction and Dimensions

#### Stranding

Lay Direction	Twists
Left Hand	6.9 twist/ft

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
14 Ohm/1000ft	10.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Shielding:	Individually Foiled + No Overall
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## Inductance

### Nominal Inductance

0.18 µH/ft

## Impedance

### Nominal Characteristic Impedance

50 Ohm

## Delay

### Max. Delay Skew | Nominal Velocity of Propagation (VP) [%]

66 ns/100m | 66 %

## Current

### Max. Recommended Current [A]

2.7 Amps per conductor @ 25°C A

Current Table Note: 10C Temperature Rise

## Voltage

### UL Description | UL Voltage Rating

UL type CM | 300 V RMS

UL AWM 2919 | 30 V RMS

## Temperature Range

UL Temp Rating: 80°C (UL AWM Style 2919)

Operating Temp Range: -20°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight: 57 lbs/1000ft

Max Recommended Pulling Tension: 106 lbs

Min Bend Radius/Minor Axis: 3.5 in

## Standards

NEC Articles: 800

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

UL AWM Style: 2919 (30 V 80°C)

CPR Euroclass: Eca

## Applicable Environmental and Other Programs

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2004-01-01

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 UL Loading

CSA Flammability: FT1

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

## Variants

Item #	Color	Footnote
9873 060100	Chrome	

9873 0601000	Chrome	C
9873 060250	Chrome	C
9873 060500	Chrome	C
9873 0605000	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
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