

**Part Number: 9874**

Audio, Control & Instrument, #20-6pr, 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	12	6

Conductor Count:	12
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
4	Black & Blue
5	Black & Yellow
6	Black & Brown

#### 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	0.445 in	0.035 in

### Electrical Characteristics

#### Conductor DCR

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

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	Nom. Capacitance Conductor to Shield
30 pF/ft	55 pF/ft	19.5 pF/m
Shielding:		Individually Foiled + No Overall

#### 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

## Voltage

### UL Description | UL Voltage Rating

UL AWM Style 2919 30 V RMS

CM 300 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: 102 lbs/1000ft

Max Recommended Pulling Tension: 256 lbs

Min Bend Radius/Minor Axis: 4.5 in

## Standards

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

## Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 UL Loading

UL voltage rating: 30 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	Footnote
9874 060100	Chrome	C
9874 0601000	Chrome	C
9874 060500	Chrome	C
9874 0605000	Chrome	

Footnote: C - CRATE REEL PUT-UP.

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