



**Part Number: 9875**

Audio, Control & Instrument, #20-9pr, 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	18	9

Conductor Count:	18
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
7	Black & Orange
8	Red & White
9	Red & 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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.555 in	0.052 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
30 pF/ft	55 pF/ft

## 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 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:

157 lbs/1000ft

Max Recommended Pulling Tension:

320 lbs

Min Bend Radius/Minor Axis:

5.75 in

## Standards

NEC/(UL) Specification:

CM

CEC/C(UL) Specification:

CM

UL AWM Style:

2919 (30 V 80°C)

## 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
9875 060100	Chrome	C
9875 0601000	Chrome	C
9875 060500	Chrome	C
9875 0605000	Chrome	

Footnote:

C - CRATE REEL PUT-UP.

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