



Product: [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 Pairs
20	7x28	TC - Tinned Copper	6

Conductor Count:	12
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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

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

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

MII Order #39 (China RoHS): Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 UL Loading

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 30 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	UPC	Footnote
9874 060100	Chrome	612825259800	C
9874 0601000	Chrome	612825259817	C
9874 060500	Chrome	612825259824	C
9874 0605000	Chrome	612825259831	

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.292 Revision Date: 04-01-2020

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