



Product: [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, 3 twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Computer Communication; Panel Wiring
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	3	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.015 in (0.38 mm)	0.066 in (1.7 mm)	Black & Red, Black & White, Black & Green

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (19x34) TC	each pair

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.341 in (8.66 mm)

Overall Cable Diameter (Nominal):	0.341 in (8.66 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	11.3 Ohm/1000ft	11.7 Ohm/1000ft (38.4 Ohm/km)	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	50 Ohm	66%	2.7 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CM), 30 V (AWM 2919)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.

3.4 in (86 mm) 3.4 in (86 mm)

Max. Pull Tension: 104 lbs (47.2 kg)

Bulk Cable Weight: 57 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor

Flammability / Reaction to Fire: UL 1685 FT4 Loading, IEC 60332-1-2

CPR Compliance: CPR Euroclass: Eca

NEC / UL Compliance: Article 800, CM

AWM Compliance: AWM 2919

CEC / C(UL) Compliance: CM

European Directive Compliance: EU CE Mark

UK Regulation Compliance: UKCA Mark

History

Update and Revision: Revision Number: 0.551 Revision Date: 01-20-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
9873 060100	Chrome	612825259756	
9873 0601000	Chrome	612825259763	C
9873 060250	Chrome	612825259770	C
9873 060500	Chrome	612825259787	C
9873 0605000	Chrome	612825259794	

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