



**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. Delay	Nom. Inductance	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	1.4 ns/ft	0.18 µH/ft (0.59 µH/m)	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)
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Max. Pull Tension:	104 lbs (47.2 kg)
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Bulk Cable Weight:	57 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor
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Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEC 60332-1-2
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CPR Compliance:	CPR Euroclass: Eca
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NEC / UL Compliance:	Article 800, CM
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AWM Compliance:	AWM 2919
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CEC / C(UL) Compliance:	CM
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European Directive Compliance:	EU CE Mark
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UK Regulation Compliance:	UKCA Mark
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## History

Update and Revision:	Revision Number: 0.555 Revision Date: 09-07-2025
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## 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	

Footnote:	C - CRATE REEL PUT-UP.
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