Belden



# Product: 9873

Audio, Control & Instrument, #20-3pr, PO, Indiv. 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 |

### 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) |

### 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 Impedence | 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 25ºC |

**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: 0.555 Revision Date: 09-07-2025 |

## 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. |

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.