



**Product:** <u>9873</u> ☑

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	Number of Element	AWG	Stranding	Material
Pair(s)	3	20	7x28	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PP - Polypropylene	0.015	Black & Red, Black & White, Black & Green

# Inner Shield Material

Element	Type	Material	Coverage	Drain Type
Pair(s)	Tape	Alum / Poly	100%	22 AWG (19x34) TC

### **Outer Jacket Material**

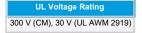
Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.035 in	0.341 in

### **Electrical Characteristics**

### Electricals

Elemer	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.5 Ohm/1000ft	30 pF/ft	55 pF/ft	50 Ohm	66%	2.7 Amps per conductor @ 25°C

### Voltage



### **Mechanical Characteristics**

### Temperature

UL Rating	Operating
80°C (UL AWM 2919)	-20°C to +80°C

#### **Bend Radius**

Stationary Min.
3.5 in

Max. Pull Tension:	106 lbs	
Bulk Cable Weight:	57 lbs/1000ft	

### **Standards and Compliance**

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2919
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark

### History

Update and Revision:	Revision Number: 0.336 Revision Date: 06-05-2020

#### © 2020 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.