



Product: [9877](#) 

Audio, Control & Instrument, #20-12pr, PO, Individ. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 20 AWG stranded (7x28) tinned copper conductors, polypropylene insulation, 12 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	Number of Element	AWG	Stranding	Material
Pair(s)	12	20	7x28	TC - Tinned Copper

Insulation

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

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	0.050 in	0.617 in

Electrical Characteristics

Electricals

Element	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%	2.0 Amps per conductor @ 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

6.25 in

Max. Pull Tension:	440 lbs
Bulk Cable Weight:	195 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, 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, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.273 Revision Date: 06-05-2020
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