

Product: 9879

Audio, Control & Instrument, #20-15pr, PO, Indiv. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 20 AWG stranded (7x28) tinned copper conductors, polypropylene insulation, 15 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)	15	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.015 in (0.38 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue

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

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	0.689 in (17.5 mm)

Overall Cable Diameter (Nominal):	0.689 in (17.5 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	10.5 Ohm/1000ft (34.4 Ohm/km)	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	50 Ohm	66%	2 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
6.9 in (180 mm)	6.9 in (180 mm)

Max. Pull Tension:	520 lbs (240 kg)
Bulk Cable Weight:	272 lbs/1000ft (405 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
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, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.328 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
9879 0601000	Chrome	612825259923	C
9879 060500	Chrome	612825259930	C

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