

Part Number: 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, twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
20	7x28	TC - Tinned Copper	6	3

Conductor Count:	6
Conductor Size:	20 AWG

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.015 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	19x34

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.341 in	0.035 in

Construction and Dimensions

Stranding

Lay Direction	Twists
Left Hand	6.9 twist/ft

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
14 Ohm/1000ft	10.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	66 %

Current

Max. Recommended Current [A]
2.7 Amps per conductor @ 25°C A

Current Table Note:	10C Temperature Rise

Voltage

UL Description	UL Voltage Rating
UL type CM	300 V RMS
UL AWM 2919	30 V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	57 lbs/1000ft
Max Recommended Pulling Tension:	106 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	2919 (30 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
9873 060100	Chrome	

9873 0601000	Chrome	C
9873 060250	Chrome	C
9873 060500	Chrome	C
9873 0605000	Chrome	

Footnote:	C - CRATE REEL PUT-UP.

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