

Part Number: 9773

Audio, Control & Instrument, #18-3pr, PO, Individ. Foil, PVC Jkt, CM



Product Description

Audio, Control & Instrument Cable, 18 AWG stranded (19x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
18	19x30	TC - Tinned Copper	6	3

Conductor Count:	6
Total Number of Pairs:	3

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.019 in

Color Chart

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

Color Chart 2

Number
17

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	Stranded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.404 in	0.035 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
8.3 Ohm/1000ft	6.4 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]**

Per conductor @ 25°C: 3.6 A

Current Table Note: 10C Temperature Rise

Voltage

UL Description	UL Voltage Rating
UL AWM Style 2919	Type CM: 300 V RMS
CM	30 V RMS (UL AWM 2919)

Temperature Range

UL Temp Rating: 80°C (UL AWM Style 2919)

Operating Temp Range: -20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 84 lbs/1000ft

Max Recommended Pulling Tension: 177 lbs

Min Bend Radius/Minor Axis: 4.25 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 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

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

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS (CM)

Plenum/Non-Plenum

Plenum (Y/N): N

Part Number

Variants

Item #	Color	UPC	Length	Footnote
9773 060100	Chrome	612825258469	100 ft	
9773 0601000	Chrome	612825258476	1,000 ft	C
9773 060500	Chrome	612825258483	500 ft	C
9773 0605000	Chrome	612825258490	5,000 ft	C

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.297 Revision Date: 08-22-2019

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