

**Product:** [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, 3 twisted pairs, individually shielded with Beldfoil® (100% coverage), 20 AWG stranded tinned copper drain wire, 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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#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	18	19x30	TC - Tinned Copper	3

Conductor Count:	6
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##### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	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

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Pair(s)	Tape	Alum / Poly	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]

3.6 Per conductor @ 25°C

Current Table Note: 10C Temperature Rise

## Voltage

### UL Description | UL Voltage Rating

CM | 300 V

UL AWM 2929 | 30 V

## Temperature Range

UL Temp Rating: 80°C (UL AWM 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

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

MII Order #39 (China RoHS): Yes

## Suitability

Suitability - Indoor: Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 UL Loading

CSA Flammability: FT1

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V (CM), 30 V (UL AWM 2919)

## Plenum/Non-Plenum

Plenum (Y/N): N

## Part Number

### Variants

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

Footnote: C - CRATE REEL PUT-UP.

### History

Update and Revision: Revision Number: 0.315 Revision Date: 05-19-2020

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