

Product: [8790](#) 

Audio Cable, #18-1pr, TC, O/A Braid, CM



Product Description

18 AWG stranded (7x26) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), 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	Nominal Diameter	No. of Pairs
Pair(s)	18	7x26	TC - Tinned Copper	0.046 in	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.090 in	0.022 in

Color Chart

Color
Red and White

Outer Shield Material

Type	Material	Coverage [%]
Spiral Serve / Screen	TC - Tinned Copper	85 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.241 in	0.028 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
6.3 Ohm/1000ft	6.3 Ohm/1000ft		8.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
53 pF/ft	92 pF/ft

Inductance

Nominal Inductance
0.18 μ H/ft

Impedance

Nominal Characteristic Impedance

41 Ohm

Delay**Nominal Velocity of Propagation (VP) [%]**

65 %

Current**Max. Recommended Current [A]**

5.2 Amps per conductor @ 25°C

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 31 lbs/1000ft

Max Recommended Pulling Tension: 45 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

CPR Euroclass: Eca

Applicable Environmental and Other Programs

Environmental Space: Indoor (Not Riser or Plenum)

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/11/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): 2005-04-01

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number**Variants**

Item #	Color	Putup Type	Length	UPC
8790 060500	Chrome	Reel	500 ft	612825216469
8790 060U500	Chrome	UnReel	500 ft	612825216568
8790 0601000	Chrome	Reel	1,000 ft	612825216452
8790 060U1000	Chrome	UnReel	1,000 ft	612825216438
8790 0605000	Chrome	Reel	5,000 ft	612825216421

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.244 Revision Date: 05-11-2020
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