



Product: [8737](#)

Audio Cable, #22-1pr, TC, O/A Braid, CM

Product Description
22 AWG stranded (7x30) 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				
AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	1
Conductor Count:			2	
Total Number of Pairs:			1	

Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.06 in	0.015 in

Color Chart	
Number	Color
1	Black & Red

Outer Shield		
Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	85%

Outer Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.18 in	0.025 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16 Ohm/1000ft	16 Ohm/1000ft	11.7 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	70 pF/ft

Inductance	
Nominal Inductance	
0.17 µH/ft	

Impedance

Nominal Characteristic Impedance
49 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66%

Current

Max. Recommended Current [A]
3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	20 lbs
Min. Bend Radius/Minor Axis:	1.75 in

Standards

NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	UL Style 2095 (300 V 80°C)

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8737 060500	Chrome	Reel	500 ft	612825214847
8737 060U500	Chrome	UnReel	500 ft	612825215103
8737 0601000	Chrome	Reel	1,000 ft	612825214830
8737 060U1000	Chrome	UnReel	1,000 ft	612825214816
8737 0605000	Chrome	Reel	5,000 ft	612825214809

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.320 Revision Date: 09-24-2021
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