



Product: [8780](#)

Audio Cable, #16-1pr, TC, O/A Shield, CMG



REPRESENTATIVE IMAGE

Product Description

16 AWG stranded (19x29) 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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Construction Details

Conductor

Size	Stranding	Material
16	19x29	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.023 in (0.58 mm)	0.105 in (2.67 mm)	Black and White

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.030 in (0.76 mm)	0.28 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
4.75 Ohm/1000ft (15.6 Ohm/km)	57 pF/ft (190 pF/m)	98 pF/ft (320 pF/m)	37 Ohm	65%	7.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C To +60°C

Max. Pull Tension:	61 lbs (28 kg)
Bulk Cable Weight:	42 lbs/1000ft (63 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, 1202
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMG
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.424 Revision Date: 01-20-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8780 060500	Chrome	Reel	500 ft	612825216322
8780 0601000	Chrome	Reel	1,000 ft	612825216315
8780 060U1000	Chrome	UnReel	1,000 ft	612825216339
8780 0605000	Chrome	Reel	5,000 ft	612825216292

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