



REPRESENTATIVE IMAGE

Product: [8780](#)

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

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 Impedence	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: 0.427 Revision Date: 02-15-2024
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Part Numbers

Variants

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

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