

Product: [8700](#)

Special Audio, #28 TC coax, BC Braid, PVC Jacket, CMH


Product Description

Minature, 28 AWG solid .013" tinned copper conductor, polypropylene insulation, bare copper braid shield (90% coverage), PVC jacket.

Technical Specifications
Product Overview

Suitable Applications:	Analog audio, Instrumentation
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Construction Details
Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	28 AWG	Solid	0.013 in	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.023 in (0.58 mm)	White

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	92%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.054 in (1.4 mm)

Overall Cable Diameter (Nominal): 0.054 in (1.4 mm)

Electrical Characteristics
Attenuation

Frequency	Nom. Attenuation
1 MHz	2.5 dB/100ft
10 MHz	7.7 dB/100ft
50 MHz	17.2 dB/100ft
100 MHz	24.5 dB/100ft
200 MHz	34.8 dB/100ft
400 MHz	50 dB/100ft
700 MHz	66 dB/100ft
900 MHz	75 dB/100ft
1000 MHz	79 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
66.9 Ohm/1000ft (219 Ohm/km)	28.7 Ohm/1000ft (94.2 Ohm/km)	55.2 pF/ft (181 pF/m)	32 Ohm	66%

Voltage

UL Voltage Rating

300 V RMS

Mechanical Characteristics**Temperature**

UL Temperature	Operating
105°C	-30°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
0.54 in (14 mm)	0.54 in (14 mm)

Max. Pull Tension: 52 lbs (24 kg)

Bulk Cable Weight: 3 lbs/1000ft (4.5 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	FT1, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMH
CEC / C(UL) Compliance:	CMH
European Directive Compliance:	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: 0.534 Revision Date: 12-18-2025

Part Numbers**Variants**

Item #	Color	Putup Type	Length	UPC
8700 010250	Black	Reel	250 ft	612825214397

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