

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
------------------------	-------------------------------

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.
0.5 in (13 mm)	0.5 in (13 mm)

Max. Pull Tension: 52 lbs (24 kg)

Bulk Cable Weight: 3 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	[delete], 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)

Product Notes

Notes: (1) # Elements@Conductor1:-In Stibo it was Blank and now changed to 1. (2) Size@Conductor1 :-In Stibo it was 28 now changed to 28AWG (3) Color@Color Chart1 01 :- In stibo it was Blank now Changed to White (4) Cable Diameter (Nominal)- In Stibo it was Blank Now Changed to 0.054 in

History

Update and Revision: Revision Number: 0.400 Revision Date: 02-03-2025

Part Numbers**Variants**

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

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.