Belden



Product: 9223

Audio Coax, Low Noise, 22 AWG Str TC, Foil + 95% TC Brd, PVC Jkt

Product Description

Audio Coax, Low Noise, 22 AWG (7x30) Tinned Copper Conductor, Inner PE Conductive Layer, PE Insulation, Duobond® II + 95% Tinned Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Low noise microphone, Analog audio, Instrumentation

Construction Details

RG Type:	58

Conductor

Size	Stranding	Nom. Diameter	Material
22 AWG	7x30	0.029 in	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Conductive)	0.112 in (2.84 mm)	Black
PE - Polyethylene	0.112 in (2.84 mm)	White

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
2	Braid	Tinned Copper (TC)		95%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.195 in (4.95 mm)

Overall Cable Diameter (Nominal):	0.195 in (4.95 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Velocity of Prop.
15.1 Ohm/1000ft (49.5 Ohm/km)	3.8 Ohm/1000ft (12 Ohm/km)	37 pF/ft (120 pF/m)	56%

Voltage

Voltage Rating
1900 V RMS

Electrical Characteristics Notes:	NBS Low Noise Test (Modified), MIL-C-17 Paragraph 4.8.14, 8 mV Peak to Peak Max

Mechanical Characteristics

Temperature

Operating
-40°C to +80°C

Bend Radius

Installation Min.
2 in (51 mm)

Max. Pull Tension:	8.85 lbs (4.01 kg)
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, 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:	Not recommended for RF use

History

Update and Revision:	Revision Number: 0.445 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9223 010100	Black	Reel	100 ft	612825358831	
9223 010500	Black	Reel	500 ft	612825357742	C
9223 0101000	Black	Reel	1,000 ft	612825357759	C

Footnote:	C - CRATE REEL PUT-UP.

© 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 "ASIS" 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.