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: 0.443 Revision Date: 04-29-2024

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