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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Part Number: 9223**

Special Audio, Low Noise, RG58, 22 AWG



## Product Description

Low noise, RG-58/U Type, 22 AWG stranded (7x30) .029" TC conductor, conductive layer on conductor, polyethylene insulation, Duobond® II + TC braid shield (95% coverage), PVC jacket.

## Technical Specifications

### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	Stranded	TC - Tinned Copper	0.029 in	1

Conductor Count:	1
Conductor Size:	22 AWG

#### Insulation

Layer	Material	Nominal Diameter
1	C-PE - Conductive Polyethylene	0.036 in
2	PE - Polyethylene	0.112 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Bonded Duofoil®	100 %
Braid	2	TC - Tinned Copper		95 %

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.195 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
10.8 Ohm/1000ft	10.8 Ohm/1000ft	4.1 Ohm/1000ft	4.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
37 pF/ft

Shielding:	Foil + Braid(s)
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#### Impedance

Nominal Characteristic Impedance
50 Ohm

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.8 ns/ft	56 %

## Voltage

### Voltage Rating [V]

300 V RMS

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

## Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	8.85 lbs
Min Bend Radius/Minor Axis:	2 in

## Standards

CPR Euroclass:	Eca
RG Type:	58/U Type
RG / Series Type:	58/U Type

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Footnote
9223 010100	Black	
9223 0101000	Black	C
9223 010500	Black	C

Footnote: C - CRATE REEL PUT-UP.

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