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)

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

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

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

Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Not recommended for RF use

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