

## 9223 Coax - Low Noise

 For more Information  
 please call

1-800-Belden1

**General Description:**

Low noise, RG-58/U Type, 22 AWG stranded (7x30) .030" TC conductor, polyethylene insulation, conductive layer, Duobond® II + TC braid shield (95% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	TC - Tinned Copper	.030

**Total Number of Conductors:** 1
**Insulation****Insulation Material:**

Layer #	Insulation Material	Dia. (in.)
1	CPE - Conductive Polyethylene	0.036
2	PE - Polyethylene	0.112

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**
**Overall Nominal Diameter:** 0.195 in.
**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-40°C To +80°C
<b>Non-UL Temperature Rating:</b>	80°C
<b>Bulk Cable Weight:</b>	24 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	8.850 lbs.
<b>Min. Bend Radius/Minor Axis:</b>	2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

<b>EU Directive 2011/65/EU (RoHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004

EU Directive 2002/96/EC (WEEE):	Yes
---------------------------------	-----

EU Directive 2003/11/EC (BFR):	Yes
--------------------------------	-----

CA Prop 65 (CJ for Wire & Cable):	Yes
-----------------------------------	-----

MII Order #39 (China RoHS):	Yes
-----------------------------	-----

RG Type:	58/U
----------	------

**Flame Test**

UL Flame Test:	UL1685 UL Loading, VW-1
----------------	-------------------------

**Plenum/Non-Plenum**

Plenum (Y/N):	No
---------------	----

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
-----------------

50
----

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
---------------------

37.0
------

**Nominal Velocity of Propagation:**

VP (%)
--------

56
----

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
--------------------------

10.8
------

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
--------------------------

4.1
-----

Other Electrical Characteristic 1:	NBS Low Noise Test (Modified), MIL-C-17 Paragraph 4.8.14, 8 mV Peak to Peak Max
------------------------------------	---

Max. Noise Level (Peak to Peak):	8 mV
----------------------------------	------

**Notes (Overall)**

Notes: Not recommended for RF use
-----------------------------------

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9223 010100	100 FT	3.100 LB	BLACK		#22 LOW NOISE COAX CABLE
9223 0101000	1,000 FT	26.000 LB	BLACK	C	#22 LOW NOISE COAX CABLE
9223 010500	500 FT	13.500 LB	BLACK	C	#22 LOW NOISE COAX CABLE

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 04-24-2008

© 2013 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 herein 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the

## 9223 Coax - Low Noise

compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.