

**Part Number: 9259**

Analog Video, RG59, 22 AWG Stranded BC, BC Braid, PVC Jacket, CM



**Product Description**

Analog Video, RG-59/U, 22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), CM 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	7x30	BC - Bare Copper	0.03 in	1

Conductor Count:	1
------------------	---

**Insulation**

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.146 in

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

**Outer Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.241 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
15 Ohm/1000ft	2.6 Ohm/1000ft	2.6 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Shield
17.3 pF/ft

**Inductance**

Nominal Inductance
0.09 $\mu$ H/ft

**Impedance**

Nominal Characteristic Impedance
75 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
-----------------	---------------------

1 MHz	0.3 dB/100ft
5 MHz	0.65 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	2.1 dB/100ft
100 MHz	3 dB/100ft
200 MHz	4.5 dB/100ft
400 MHz	6.6 dB/100ft
700 MHz	8.9 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	10.9 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
400 MHz	7.4 dB/100ft

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max Recommended Pulling Tension:	65 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	UL Style 1354
CPR Euroclass:	Eca
RG Type:	59/U Type

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/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 - Indoor:	Yes
-----------------------	-----

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89259 or 82259

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
9259 010100	Black	612825358893	100 ft	
9259 0101000	Black	612825352969	1,000 ft	C
9259 010500	Black	612825354987	500 ft	C
9259 0105000	Black	612825358909	5,000 ft	C
9259 010U1000	Black	612825358770	1,000 ft	
9259 010U500	Black	612825357841	500 ft	
9259 0101200	Black	612825352921	1,200 ft	
9259 0101200	Black	612825352921	1,200 ft	
9259 0101500	Black	612825358787	1,500 ft	
9259 0101500	Black	612825358787	1,500 ft	

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## History

Update and Revision:	Revision Number: 0.257 Revision Date: 08-22-2019
----------------------	--

© 2019 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.