



Product: [9659](#)

Analog Video, RG59, #22 Str BC, 95% BC Braid, PVC Jacket, CMX



Product Description

22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Technical Specifications

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
PE - Polyethylene (Foam)	0.146 in

Outer Shield		
Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

Outer Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.242 in

Electrical Characteristics

Conductor DCR			
Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
15 Ohm/1000ft	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 µH/ft	

Impedance	
Nominal Characteristic Impedance	
75 Ohm	

Return Loss (RL)	
Frequency [MHz]	Minimum Return (RL)
5-450 MHz	23 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 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%

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	150 V RMS

Temperature Range

Operating Temperature Range:	-40°C To +80°C
------------------------------	----------------

Mechanical Characteristics

Bulk Cable Weight:	35 lbs/1000ft
Max. Pull Tension:	65 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Compliance:	CMX
CEC/C(UL) Compliance:	CMX
UL AWM Style Compliance:	AWM 1354 (30 V 60°C)
RG Type:	59
Series Type:	59

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1
UL voltage rating:	150 V RMS

Plenum/Non-Plenum

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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9659 010U500	Black	UnReel	500 ft	612825414728
9659 0101000	Black	Reel	1,000 ft	612825356028

Product Notes

Notes:	For CCTV Applications.
--------	------------------------

History

Update and Revision:	Revision Number: 0.333 Revision Date: 02-03-2025
----------------------	--

© 2025 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.