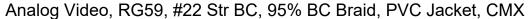


Product: <u>9659</u> ☑





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 Nominal Diameter No. of Coax 7x30 BC - Bare Copper 0.03 in Conductor Count: 1 Insulation Nominal Diameter PE - Polyethylene (Foam) 0.146 in Outer Shield Material Coverage [%] Braid Bare Copper (BC) 95% **Outer Jacket** 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 0.09 µH/ft Impedance Nominal Characteristic Impedance 75 Ohm Return Loss (RL)

High Frequency (Nominal/Typical)

5-450 MHz

Frequency [MHz] Minimum Return (RL)

23 dB

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
ı	UL voltage rating:	150 V RMS

Plenum/Non-Plenum

Plenum (V/N):	No	
Fieriani (1714).	INO	

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: 0.328 Revision Date: 04-08-2022

© 2022 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.