

**Part Number: 551945**

Surveillance CCTV, RG-59 #22 BC, 93% BC Braid, CM



## Product Description

Surveillance & CCTV Cable, RG59, Rated-CM, 22 AWG stranded bare copper, foam polyolefin core, 93% bare copper braid, PVC jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Analog Video/CCTV Coax.
------------------------	-------------------------

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	7x30	BC - Bare Copper	0.03 in	1

Conductor Size:	22 AWG
-----------------	--------

#### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.14 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	93 %

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 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

Shielding:	Braid(s)
------------	----------

#### 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

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

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
78 ns/100m	1.3 ns/ft	78 %

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-40°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max Recommended Pulling Tension:	49 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Dimensions (WxHxD)

Width	Depth
0.76	0.79

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
RG Type:	59/U Type
Series Type:	Series 59
RG / Series Type:	Series 59

#### 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 Compliance:	Yes
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
Suitability - Outdoor:	Yes

#### Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

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

## Part Number

---

### Variants

Item #	Color
551945 0101000	Black

© 2018 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.