



For more Information  
please call

1-800-Belden1



## General Description:

Surveillance & CCTV Cable, mini-RG59, Rated-CM, 25 AWG solid bare copper, foamed polyolefin core, 94% bare copper braid, PVC jacket

## Usage (Overall)

Suitable Applications: Analog/Video CCTV

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	25	Solid	BC - Bare Copper	0.4572

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	2.159

### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	94

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 3.708 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 23.811 Kg/Km

Max. Recommended Pulling Tension: 124.550 N

Min. Bend Radius/Minor Axis: 38.100 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	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:	Mini 59/U
Series Type:	Series 59

### Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT1

### Suitability

Suitability - Indoor:	Yes - All colors
Suitability - Outdoor:	Yes - Black only
Suitability - Burial:	No

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/m)

0.357629

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.4489

#### Nominal Velocity of Propagation:

VP (%)

80

#### Nominal Delay:

Delay (ns/m)

4.16687

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

101.711

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

18.3736

#### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1	1.47645
5	2.9529
10	4.2653
50	9.843
100	13.4521
200	19.686
400	28.2166
700	38.0596

900	44.2935
1000	47.5745

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
573945 001U1000	305 MT	7.258 KG	BROWN		#25 GIFHDPE BRD PVC
573945 0021000	305 MT	7.258 KG	RED	C	#25 GIFHDPE BRD PVC
573945 0041000	305 MT	7.258 KG	YELLOW		#25 GIFHDPE BRD PVC
573945 0051000	305 MT	7.258 KG	GREEN, DARK	C	#25 GIFHDPE BRD PVC
573945 006U1000	305 MT	7.258 KG	BLUE, LIGHT		#25 GIFHDPE BRD PVC
573945 0061000	305 MT	7.258 KG	BLUE, LIGHT	C	#25 GIFHDPE BRD PVC
573945 0091000	305 MT	7.258 KG	WHITE	C	#25 GIFHDPE BRD PVC
573945 010U1000	305 MT	7.258 KG	BLACK		#25 GIFHDPE BRD PVC
573945 0101000	305 MT	7.258 KG	BLACK	C	#25 GIFHDPE BRD PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 03-11-2013

© 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 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.