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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Part Number: 573945**

Surveillance CCTV, Mini-RG59 #25 BC, 94% BC Braid, CM



### Product Description

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

### Technical Specifications

#### Product Overview

Suitable Applications:	Analog/Video CCTV
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1

Conductor Size:	25 AWG
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##### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.085 in

##### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	94 %

##### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

Weight:	0.8 lbs
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#### Construction and Dimensions

OuterJacket1, Nominal Width:	0.85 mm
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#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
31 Ohm/1000ft	31 Ohm/1000ft	5.6 Ohm/1000ft	5.6 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
16.9 pF/ft

Shielding:	Braid(s)
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##### Inductance

Nominal Inductance
0.109 µH/ft

##### Impedance

Nominal Characteristic Impedance
75 Ohm

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.45 dB/100ft
5 MHz	0.9 dB/100ft
10 MHz	1.3 dB/100ft
50 MHz	3 dB/100ft
100 MHz	4.1 dB/100ft
200 MHz	6 dB/100ft
400 MHz	8.6 dB/100ft
700 MHz	11.6 dB/100ft
900 MHz	13.5 dB/100ft
1000 MHz	14.5 dB/100ft

### Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
80 ns/100m	1.27 ns/ft	80 %

### Unbalanced Crosstalk

Typical Unbalanced NEXT %
0.8 MHz

### High Freq

Frequency [MHz]
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz

### Voltage

UL Voltage Rating
300 V RMS

### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

### Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	28 lbs
Min Bend Radius/Minor Axis:	1.5 in

### Dimensions (WxHxD)

Height	Depth
0.87	0.87

### Standards

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

### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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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 - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

## 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
Plenum Number:	673948

## Part Number

### Variants

Item #	Color	Footnote
573945 0101000	Black	C
573945 010U1000	Black	
573945 0061000	Blue	C
573945 006U1000	Blue	
573945 001U1000	Brown	
573945 0051000	Green	C
573945 0021000	Red	C
573945 0091000	White	C
573945 0041000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.
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