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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: 673948

Surveillance CCTV, Mini-RG59 #25 BC, 95% BC Braid, CMP



Product Description

Surveillance & CCTV Cable, mini-RG59, Plenum-CMP, 25 AWG solid bare copper, foam FEP core, 95% bare copper braid, Flamarrest® 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 Pairs	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1	1

Conductor Size:	25 AWG
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Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.078 in

Inner Shield Material

Layer
1

Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	BC - Bare Copper	95 %

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.146 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
31 Ohm/1000ft	31 Ohm/1000ft	5.5 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	3.1 dB/100ft
100 MHz	4.3 dB/100ft
200 MHz	6.3 dB/100ft
400 MHz	9.4 dB/100ft
700 MHz	13 dB/100ft
900 MHz	15 dB/100ft
1000 MHz	16 dB/100ft

Delay

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

High Freq

Frequency [MHz]
1 MHz
5 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz
700 MHz
900 MHz
1000 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:	17 lbs/1000ft
Max Recommended Pulling Tension:	28 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

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

Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-12-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color
673948 8771000	Natural
673948 877U500	Natural

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