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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

## 573945 Coax - Surveillance and CCTV Applications

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
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## 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

## METRIC MEASUREMENT VERSION

## 573945 Coax - Surveillance and CCTV Applications

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	1,000 FT	16.000 LB	BROWN		#25 GIFHDPE BRD PVC
573945 0021000	1,000 FT	16.000 LB	RED	C	#25 GIFHDPE BRD PVC
573945 0041000	1,000 FT	16.000 LB	YELLOW		#25 GIFHDPE BRD PVC
573945 0051000	1,000 FT	16.000 LB	GREEN, DARK	C	#25 GIFHDPE BRD PVC
573945 006U1000	1,000 FT	16.000 LB	BLUE, LIGHT		#25 GIFHDPE BRD PVC
573945 0061000	1,000 FT	16.000 LB	BLUE, LIGHT	C	#25 GIFHDPE BRD PVC
573945 0091000	1,000 FT	16.000 LB	WHITE	C	#25 GIFHDPE BRD PVC
573945 010U1000	1,000 FT	16.000 LB	BLACK		#25 GIFHDPE BRD PVC
573945 0101000	1,000 FT	16.000 LB	BLACK	C	#25 GIFHDPE BRD PVC

## Notes:

C = CRATE REEL PUT-UP.

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