Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

573945 Coax - Surveillance and CCTV Applications



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. (in.)
1	25	Solid	BC - Bare Copper	.018

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.085

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:	0.146 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	16 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.

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/ft)
.109

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.9

Nominal Velocity of Propagation:

VP (%)
80

Nominal Delay:

Delay (ns/ft)
1.27

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
31.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.45
5	.90
10	1.3
50	3.0
100	4.1
200	6.0
400	8.6
700	11.6
900	13.5
1000	14.5

Max. Operating Voltage - UL:

Voltage
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

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Notes:
C = CRATE REEL PUT-UP.

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