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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: 513945

Surveillance CCTV, RG-11 #14 BC, 95% BC Braid, CM



Product Description

Surveillance & CCTV Cable, RG11, Rated-CM, 14 AWG solid bare copper, foam polyolefin core, 95% bare copper braid, PVC jacket

Technical Specifications

Product Overview

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

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.066 in	1

Conductor Size:	14 AWG
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Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.28 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.405 in
	0.463 in

Weight:	0.46 lbs
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
2.6 Ohm/1000ft	2.6 Ohm/1000ft		1.2 Ohm/1000ft	1.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.1 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance
0.106 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.17 dB/100ft
10 MHz	0.35 dB/100ft
50 MHz	0.9 dB/100ft
100 MHz	1.3 dB/100ft
200 MHz	1.9 dB/100ft
400 MHz	2.9 dB/100ft
700 MHz	4.1 dB/100ft
900 MHz	4.8 dB/100ft
1000 MHz	5.2 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
84 ns/100m	1.21 ns/ft	84 %

Voltage

Non-UL Voltage Rating	UL Voltage Rating
600 V RMS	300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	82 lbs/1000ft
Max Recommended Pulling Tension:	144 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca
RG Type:	11/U Type
Series Type:	Series 11
RG / Series Type:	Series 11

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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 - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	613948

Part Number

Variants

Item #	Color	Footnote
513945.00305	Black	
513945.00500	Black	
513945 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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