



Product: [613948](#)

## Product Description

## Technical Specifications

### Product Overview

Suitable Applications:	Surveillance, CCTV Camera
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in

#### Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

#### Outer Jacket

Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.348 in

Weight:	0.935 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
16.3 pF/ft

#### Inductance

Nominal Inductance
0.106 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.17 dB/100ft
10 MHz	0.4 dB/100ft
50 MHz	0.95 dB/100ft
100 MHz	1.4 dB/100ft
200 MHz	2.1 dB/100ft
400 MHz	3.4 dB/100ft
700 MHz	5 dB/100ft
900 MHz	6 dB/100ft
1000 MHz	6.5 dB/100ft

#### Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
84 ns/100m	1.22 ns/ft	83%

#### Unbalanced Crosstalk

Typical Unbalanced NEXT %	Typical Unbalanced FEXT %
	0.9 MHz
0.9 MHz	

#### Voltage

UL Voltage Rating
300 V RMS

#### Mated Connection

Frequency (MHz)
1

#### Temperature Range

UL Temp Rating:	125°C
Operating Temp Range:	-20°C To +125°C

#### Mechanical Characteristics

Bulk Cable Weight:	81 lbs/1000ft
Max. Pull Tension:	138 lbs
Min. Bend Radius During Installation:	0.9 in
Min. Bend Radius/Minor Axis:	3.5 in

#### Dimensions (WxHxD)

Width	Height	Depth
1	0.97	1

#### Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	11
Series Type:	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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

Non-Plenum Number:	513945
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## Variants

Item #	Color	Put-Up Type	Length	UPC
613948 0091000	White	Reel	1,000 ft	612825173823

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.399 Revision Date: 12-15-2021
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