



Product: [6539Y8](#)

CCTV Applications

Product Description

Surveillance, CCTV & Card Reader Cable, RG62, Plenum-CMP, 22 AWG solid bare copper-covered steel, foamed polyolefin core, 95% bare copper braid, Flammarrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera, Card Reader/Sensor
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	Solid	BCCS - Bare Copper Covered Steel	0.025 in	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.146 in

Outer Shield

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

Outer Jacket

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flammarrest®	0.204 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
41.2 Ohm/1000ft	41.2 Ohm/1000ft	3.4 Ohm/1000ft	3.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
13.5 pF/ft

Inductance

Nominal Inductance
0.107 µH/ft

Impedance

Nominal Characteristic Impedance
93 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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1 MHz	0.3 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	1.9 dB/100ft
100 MHz	2.7 dB/100ft
200 MHz	3.8 dB/100ft
400 MHz	5.3 dB/100ft
700 MHz	7.3 dB/100ft
900 MHz	8.2 dB/100ft
1000 MHz	8.7 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.21 ns/ft	84%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max. Pull Tension:	67 lbs
Min. Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	62

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 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
6539Y8 8771000	Natural	Reel	1,000 ft	612825178200

Product Notes

Notes:	Print legend includes sequential footage marks.
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History

Update and Revision:

Revision Number: 0.288 Revision Date: 04-29-2024

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