


Product: [1398S5](#) 

RGB Video, Banana Peel 5 25 AWG Coax, CMP



Product Description

Mini-Hi Res RGB Video Cable , 5 25 AWG solid tinned copper coax, foam FEP insulation, Beldfoil®; 95% tinned copper serve, inner Flamarrest® jackets, CMP rated.

Technical Specifications

Product Overview

Suitable Applications:	Video
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Physical Characteristics (Overall)

Conductor

AWG	Material	Nominal Diameter	No. of Coax
25	TC - Tinned Copper	0.018 in	5

Conductor Count:	5
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Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.074 in

Table Notes:	Gas Injected
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Color Chart 3

Number	Color
1	Gray #1
2	Gray #2
3	Gray #3
4	Gray #4
5	Gray #5

Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Spiral Serve / Screen	2	Tinned Copper (TC)		95%

Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.105 in

Outer Jacket

Material	Nominal Diameter
Banana Peel (No Overall Jacket)	0.275 in

Construction and Dimensions

Cabling

Filler
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Bonded Spline

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Outer Conductor DCR
34 Ohm/1000ft	5.4 Ohm/1000ft	5.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17 pF/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5-1000 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.52 dB/100ft
5 MHz	1.17 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	6.7 dB/100ft
400 MHz	9.5 dB/100ft
750 MHz	13.4 dB/100ft
900 MHz	15 dB/100ft
1000 MHz	15.8 dB/100ft
3000 MHz	31.2 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.27 ns/ft	80%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	0°C To +60°C
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Mechanical Characteristics

Bulk Cable Weight:	40 lbs/1000ft
Max. Pull Tension:	20 lbs
Min Bend Radius (Overall):	2.8 in
Min Bend Radius (Each Coax):	1.1 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	Sub-miniature 59

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
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:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

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:	1397S5
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Variants

Item #	Color	Put-Up Type	Length	UPC
1398S5 008250	Gray	Reel	250 ft	612825114567
1398S5 008500	Gray	Reel	500 ft	612825114574
1398S5 0081000	Gray	Reel	1,000 ft	612825114550

Product Notes

Notes:	BananaPeel®, each coax numbered
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History

Update and Revision:	Revision Number: 0.172 Revision Date: 12-15-2021
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