



Product: [1393P](#)

RGB Video, Mini Hi-Res, 25 AWG 3 Coax Solid TC, CMP



Product Description

RGB Video Cable, 3 coax, 25 AWG solid tinned copper, foam FEP insulation, Duofoil® shield+95% tinned copper serve, inner Flamarrest® jackets, CMP overall Flamarrest® jacket.

Technical Specifications

Product Overview

Suitable Applications:	Video
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	3

Conductor Count:	3
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Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.074 in

Color Chart 3

Number	Color
1	Red
2	Green
3	Blue

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	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.105 in

Outer Shield

Material
Tri-Laminate (Alum+Poly+Alum)
Tinned Copper (TC)

Outer Jacket

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.262 in

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
16.8 pF/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 - 850 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
5 MHz	0.9 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	5 dB/100ft
200 MHz	7 dB/100ft
400 MHz	10 dB/100ft
750 MHz	14.5 dB/100ft
1000 MHz	17 dB/100ft
2250 MHz	17.5 dB/100ft
3000 MHz	37 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.25 ns/ft	81%

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	Return Loss: Fixed Bridge and Termination
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Temperature Range

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temperature Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	29 lbs/1000ft
Max. Pull Tension:	37 lbs
Min Bend Radius (Overall):	2.6 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
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

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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Related Part Numbers

Non-Plenum Number:	1393R
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Variants

Item #	Color	Put-Up Type	Length	UPC
1393P 008500	Gray	Reel	500 ft	612825114260
1393P 0081000	Gray	Reel	1,000 ft	612825114253

Product Notes

Notes:	Rip cord under jacket
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History

Update and Revision:	Revision Number: 0.311 Revision Date: 04-29-2024
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