

**Part Number: 1394P**

RGB Video, Mini Hi-Res, 25 AWG 4 Coax Solid TC, CMP



**Product Description**

RGB Video Cable, 4 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**

Environmental Space:	Indoor - Plenum
Suitable Applications:	Video

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	TC - Tinned Copper	0.018 in	4

Conductor Count:	4
Conductor Size:	25 AWG

**Insulation**

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.074 in

**Color Chart 3**

Number	Color
1	Red
2	Green
3	Blue
4	Yellow

**Inner Shield Material**

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Serve	2	TC - Tinned Copper		95 %

**Inner Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.105 in

**Outer Shield Material**

Material
Aluminum/Polyester/Aluminum
TC - Tinned Copper

**Outer Jacket Material**

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.289 in	Yes

**Electrical Characteristics**

## Conductor DCR

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

## Capacitance

Nom. Capacitance Conductor to Shield
16.8 pF/ft

Shielding:	Multiple or Specialty
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## 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	81.0 %

## 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 Temp Range:	0°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	38 lbs/1000ft
Max Recommended Pulling Tension:	49 lbs
Min Bend Radius (Overall):	2.9 in
Min Bend Radius (Each Coax):	1.1 in

## Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	Sub-miniature 59/U Type
RG / Series Type:	Sub-miniature 59/U Type

## 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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2012-06-28
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

### 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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### Part Number

Non-Plenum Number:	1394R
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### Variants

Item #	Color
1394P 0081000	Gray
1394P 008500	Gray

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