


**Product:** [1394R](#) 



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

## Product Description

RGB Video Cable, 4 coax, 25 AWG solid tinned copper, foam polyethylene insulation, Duofoil® + 95% tinned copper serve, inner PVC jackets, CMR overall PVC 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	4

Conductor Count:	4
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#### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.074 in

Table Notes:	Gas Injected
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#### Color Chart 3

Number	Color
1	Red
2	Green
3	Blue
4	Yellow

#### 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	0.109 in

#### Outer Jacket

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.315 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
17 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	0.52 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) [%]
1.22 ns/ft	83%

## 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:	-30°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	37 lbs/1000ft
Max. Pull Tension:	49 lbs
Min Bend Radius (Overall):	3.2 in
Min Bend Radius (Each Coax):	1.1 in

## Standards

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

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
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)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1394P

## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
1394R B59500	Black, Matte	Reel	500 ft	612825114321
1394R B591000	Black, Matte	Reel	1,000 ft	612825114314

## History

Update and Revision:	Revision Number: 0.196 Revision Date: 12-15-2021
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