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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Part Number: 1393R

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



Product Description

RGB Video Cable, 3 coax, 25 AWG solid tinned copper, foam polyethylene insulation, Beldfoil® shield+ 95% tinned copper serve, inner PVC jackets, CMR overall PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Video

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	3
Conductor Size:	25 AWG

Insulation

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.074 in

Color Chart

Number	Color
1	Red
2	Green
3	Blue

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	0.109 in

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.288 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield

17 pF/ft

Shielding: Multiple or Specialty

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz] Minimum Return (RL)

5-850 MHz	15 dB
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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	83.0 %
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Voltage

UL Voltage Rating

300 V RMS

Electrical Characteristics Notes: Return Loss: Fixed bridge and termination

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:	30 lbs/1000ft
Max Recommended Pulling Tension:	37 lbs
Min Bend Radius (Overall):	2.9 in
Min Bend Radius (Each Coax):	1.1 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMR
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 CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2012-06-28
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1393P

Part Number

Variants

Item #	Color
1393R B591000	Black, Matte
1393R B59500	Black, Matte

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