


Product: [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

|                        |       |
|------------------------|-------|
| 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 |
|------------------|---|

Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.074 in         |

|                         |              |
|-------------------------|--------------|
| Insulation, Table Note: | Gas Injected |
|-------------------------|--------------|

Color Chart

| Number | Color |
|--------|-------|
| 1      | Red   |
| 2      | Green |
| 3      | Blue  |

Inner Shield Material

| Type                  | Layer | Material           | Material Trade Name | Coverage [%] |
|-----------------------|-------|--------------------|---------------------|--------------|
| Tape                  | 1     | Alum / Poly / Alum | Duofoil®            | 100 %        |
| Spiral Serve / Screen | 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                             |

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    | 83.0 %                                   |

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 |

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 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                    |

|                             |     |
|-----------------------------|-----|
| MII 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        | Putup Type | Length   | UPC          |
|---------------|--------------|------------|----------|--------------|
| 1393R B59500  | Black, Matte | Reel       | 500 ft   | 612825114284 |
| 1393R B591000 | Black, Matte | Reel       | 1,000 ft | 612825114277 |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.167 Revision Date: 04-06-2020 |
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