


Product: [1520A](#) 

RGB Video, Mini #30-3 Coax Stranded TC, CL2



Product Description

RGB Video Coax, CL2-Rated, 3-30 AWG stranded tinned copper conductors, foam HDPE insulation, Duofoil® +90% tinned copper braid shield, overall Beldfoil® shield, inner PVC jackets, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|--------------------|------------------|-------------|
| 30 | 7x38 | TC - Tinned Copper | 0.013 in | 3 |

| | |
|------------------|---|
| Conductor Count: | 3 |
|------------------|---|

Insulation

| Material | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.056 in |

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% |
| Braid | 2 | TC - Tinned Copper | | 90% |

Inner Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.102 in |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] |
|------|-------------|---------------------|--------------|
| Tape | Alum / Poly | Beldfoil® | 100% |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.283 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Inner Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 100 Ohm/1000ft | 100 Ohm/1000ft | 9.5 Ohm/1000ft | 9.5 Ohm/1000ft |

Capacitance

Nom. Capacitance Conductor to Other Conductor to Shield

17.3 pF/ft

Impedance**Nominal Characteristic Impedance**

75 Ohm

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 10-40 MHz | 25 dB |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.8 dB/100ft |
| 5 MHz | 1.5 dB/100ft |
| 10 MHz | 2.2 dB/100ft |
| 30 MHz | 4 dB/100ft |
| 50 MHz | 5.4 dB/100ft |
| 100 MHz | 8.2 dB/100ft |
| 200 MHz | 12.5 dB/100ft |
| 400 MHz | 18.9 dB/100ft |
| 700 MHz | 26.5 dB/100ft |
| 900 MHz | 30.8 dB/100ft |
| 1000 MHz | 32.8 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.3 ns/ft | 78% |

Voltage

| UL Voltage Rating | Voltage Rating [V] |
|-------------------|--------------------|
| 300 V RMS | 30 V RMS |
| 300 V RMS (CL2) | |

Electrical Characteristics Notes: 30 V RMS (UL AWM Style 1354); 300 V RMS (CL2)

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 60°C |
| Operating Temp Range: | -40°C To +60°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 46 lbs/1000ft |
| Max. Pull Tension: | 42 lbs |
| Min Bend Radius/Minor Axis: | 3 in |

Standards

| | |
|--------------------------|--|
| NEC/(UL) Compliance: | CL2 |
| UL AWM Style Compliance: | UL Style 1354 (each coax); UL Style 2688 (overall) |
| RG Type: | Sub-miniature 59 |
| Series Type: | Sub-miniature 59 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| 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): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| UL voltage rating: | 300 V RMS |
|--------------------|-----------|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 1520A 010500 | Black | Reel | 500 ft | 612825356554 |
| 1520A 0101000 | Black | Reel | 1,000 ft | 612825356523 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.250 Revision Date: 06-24-2020 |
|----------------------|--|

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