
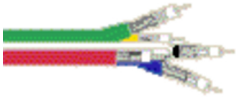


Product: [1281S6](#) 

RGB Video, Mini Hi-Res, Banana Peel #25-6 Coax TC, CMR



Product Description

RGB Video Coax, Riser-CMR, 6-25 AWG tinned copper conductors, foam HDPE insulation, Duobond® foil + 95% tinned copper interlocked serve shield, inner PVC jackets, Banana Peel construction

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult, Animation, Special effects |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|--------------------|------------------|-------------|
| 25 | Solid | TC - Tinned Copper | 0.018 in | 6 |

| | |
|------------------|---|
| Conductor Count: | 6 |
|------------------|---|

Insulation

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

| | |
|--------------|--------------|
| Table Notes: | Gas Injected |
|--------------|--------------|

Color Chart

| Number | Color |
|--------|--------|
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | Black |
| 6 | White |

Inner Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|--------------|-------|-------------------------|---------------------|--------------|
| Tape | 1 | Bi-Laminate (Alum+Poly) | Duobond® | 100% |
| French Braid | 2 | Tinned Copper (TC) | | 95% |

| | |
|--------------|-----------------------------------|
| Table Notes: | Tape lightly bonded to dielectric |
|--------------|-----------------------------------|

Inner Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.114 in |

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Nominal Diameter |
|----------|------------------|
|----------|------------------|

| | |
|---------------------------------|----------|
| Banana Peel (No Overall Jacket) | 0.342 in |
|---------------------------------|----------|

Construction and Dimensions

Cabling

| |
|---------------|
| Filler |
| Bonded Spline |

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 |

Inductance

| Nominal Inductance |
|--------------------|
| 0.087 µH/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm |

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-850 MHz | 20 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) [%] |
|---------------|--|
| 1.24 ns/ft | 80% |

Voltage

| Non-UL Voltage Rating | UL Voltage Rating |
|-----------------------|-------------------|
| 300 V RMS | 300 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 75°C |
| UL Temp Rating: | 60°C |
| Operating Temp Range: | -40°C To +75°C |

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 57 lbs/1000ft |
| Max. Pull Tension: | 100 lbs |
| Min Bend Radius (Overall): | 4.25 in |
| Min Bend Radius (Each Coax): | 1.1 in |

Standards

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

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor - Riser |
| EU Directive 2000/53/EC (ELV): | 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): | 2005-02-24 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------------------|
| UL Flammability: | UL1666 Vertical Shaft |
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|---------------|
| Plenum (Y/N): | No |
| Plenum Number: | 1282S6, 1280P |

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------|------------|----------|--------------|
| 1281S6 010500 | Black | Reel | 500 ft | 612825355199 |
| 1281S6 0101000 | Black | Reel | 1,000 ft | 612825355205 |
| 1281S6 000500 | None | Reel | 500 ft | 612825355212 |
| 1281S6 0001000 | None | Reel | 1,000 ft | 612825357933 |

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

Product Notes

| | |
|--------|---|
| Notes: | For 1281S6 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", "BLACK/5", and "WHITE/6". |
|--------|---|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.258 Revision Date: 09-30-2020 |
|----------------------|--|

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