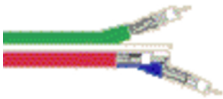


Product: [1282S3](#) 

RGB Video, Mini Hi-Res, Banana Peel #25-3 Coax TC, CMP



Product Description

RGB Video Coax, Plenum-CMP, 3-25 AWG tinned copper conductors, foam FEP insulation, Duobond® foil + 95% tinned copper interlocked serve shield, inner fluorocopolymer 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 ffects.Suitable for use in Plenum spaces |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 |
|------------------------------|------------------|
| PFA - Perfluoroalkoxy (Foam) | 0.075 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 | Bonded Duofoil®     | 100%         |
| French Braid | 2     | TC - Tinned Copper |                     | 95%          |

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

Inner Jacket Material

| Material                                | Nominal Diameter |
|-----------------------------------------|------------------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | 0.114 in         |

Outer Shield Material

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

Outer Jacket Material

| Material                | Nominal Diameter |
|-------------------------|------------------|
| No Jacket (Banana Peel) | 0.246 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 |
|--------------------------------------|
| 16.8 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           | 0.5 dB/100ft        |
| 5 MHz           | 1.2 dB/100ft        |
| 50 MHz          | 3.8 dB/100ft        |
| 100 MHz         | 5.2 dB/100ft        |
| 200 MHz         | 7.1 dB/100ft        |
| 400 MHz         | 10 dB/100ft         |
| 750 MHz         | 14.3 dB/100ft       |
| 1000 MHz        | 16.9 dB/100ft       |
| 2250 MHz        | 25.5 dB/100ft       |
| 3000 MHz        | 33.9 dB/100ft       |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.26 ns/ft    | 81%                                      |

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: | -20°C To +75°C |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 30 lbs/1000ft |
| Max. Pull Tension:           | 90 lbs        |
| Min Bend Radius (Overall):   | 2.5 in        |
| Min Bend Radius (Each Coax): | 1.1 in        |

Standards

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

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| Environmental Space:                  | Indoor - 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:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2006-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                        |     |
|------------------------|-----|
| Suitability - Aerial:  | No  |
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

Flammability, LS0H, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | NFPA 262  |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Part Number

|                    |               |
|--------------------|---------------|
| Non-Plenum Number: | 1281S3, 1277R |
|--------------------|---------------|

Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 1282S3 000500  | None  | Reel       | 500 ft   | 612825110651 |
| 1282S3 0001000 | None  | Reel       | 1,000 ft | 612825110644 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.270 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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