


**Product:** [1283S3](#) 

VideoFLEX® Mini Hi-Res, Banana Peel #20-3 coax, CMP



**Product Description**

RGB Video Coax, Plenum-CMP, 3-20 AWG tinned copper conductors, foam FEP insulation, Duobond® foil + 95% tinned copper braid shield, color-coded Flamarrest® 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. Suitable for use in Plenum spaces |
|------------------------|---|

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 20  | Solid     | BC - Bare Copper | 0.032 in         | 3           |

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

**Insulation**

| Material                                    | Nominal Diameter |
|---|------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.133 in         |

**Color Chart**

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

**Inner Shield Material**

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

**Inner Jacket Material**

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.196 in         |

**Outer Shield Material**

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

**Outer Jacket Material**

| Material                        | Nominal Diameter |
|---------------------------------|------------------|
| Banana Peel (No Overall Jacket) | 0.422 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 |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| 10 Ohm/1000ft         | 10 Ohm/1000ft         |                      | 3.8 Ohm/1000ft           | 3.8 Ohm/1000ft      |

### Capacitance

|                                      |
|--------------------------------------|
| Nom. Capacitance Conductor to Shield |
| 16.2 pF/ft                           |

### Inductance

|                    |
|--------------------|
| Nominal Inductance |
| 0.107 µH/ft        |

### Impedance

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

### Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-850 MHz       | 23 dB               |
| 851-3000 MHz    | 15 dB               |

### High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz           | 0.3 dB/100ft        |
| 3.6 MHz         | 0.6 dB/100ft        |
| 10 MHz          | 0.9 dB/100ft        |
| 71.5 MHz        | 2.1 dB/100ft        |
| 135 MHz         | 2.7 dB/100ft        |
| 270 MHz         | 3.8 dB/100ft        |
| 360 MHz         | 4.4 dB/100ft        |
| 540 MHz         | 5.5 dB/100ft        |
| 720 MHz         | 6.4 dB/100ft        |
| 750 MHz         | 6.5 dB/100ft        |
| 1000 MHz        | 7.6 dB/100ft        |
| 1500 MHz        | 9.4 dB/100ft        |
| 2500 MHz        | 12.4 dB/100ft       |
| 3000 MHz        | 13.8 dB/100ft       |

### Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.22 ns/ft    | 83%                                      |

### Voltage

|                   |
|-------------------|
| UL Voltage Rating |
| 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:          | 93 lbs/1000ft |
| Max. Pull Tension:          | 216 lbs       |
| Min Bend Radius/Minor Axis: | 6.5 in        |

## Standards

|                      |     |
|----------------------|-----|
| NEC/(UL) Compliance: | CMP |
|----------------------|-----|

|                       |           |
|-----------------------|-----------|
| CEC/C(UL) Compliance: | CMP       |
| RG Type:              | 59/U Type |
| Series Type:          | 59        |

## 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): | 2005-06-01                    |
| 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: | 7794A |
|--------------------|-------|

## Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 1283S3 000250  | None  | Reel       | 250 ft   | 612825110828 |
| 1283S3 000500  | None  | Reel       | 500 ft   | 612825110835 |
| 1283S3 0001000 | None  | Reel       | 1,000 ft | 612825110811 |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.275 Revision Date: 09-30-2020 |
|----------------------|--|

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