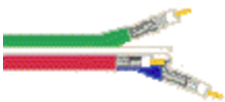


Product: [1855S3](#) 



VideoFLEX® Snake, Banana Peel, Mini, #23-3 Coax, CMR

Product Description

VideoFLEX® Digital Coax Snake Cable, Riser-CMR, 3-Sub-Miniature 23 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, individual 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, Suitable for use in Risers |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 23  | Solid     | BC - Bare Copper | 0.023 in         | 3           |

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

Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.102 in         |

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

Color Chart

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

Inner Shield

| 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                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.159 in         |

Outer Jacket

| Material                        | Nominal Diameter |
|---------------------------------|------------------|
| Banana Peel (No Overall Jacket) | 0.343 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 |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| 20.1 Ohm/1000ft       | 20.1 Ohm/1000ft       |                      | 7.6 Ohm/1000ft           | 7.6 Ohm/1000ft      |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.5 pF/ft                           |

Inductance

| Nominal Inductance |
|--------------------|
| 0.106 µH/ft        |

Impedance

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

Return Loss (RL)

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 5-625 MHz       | 20 dB               |
| 625-675 MHz     | 15 dB               |
| 675-850 MHz     | 20 dB               |
| 850-4500 MHz    | 15 dB               |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz           | 0.4 dB/100ft        |
| 3.6 MHz         | 0.8 dB/100ft        |
| 10 MHz          | 1.2 dB/100ft        |
| 71.5 MHz        | 3.1 dB/100ft        |
| 135 MHz         | 3.8 dB/100ft        |
| 270 MHz         | 5.4 dB/100ft        |
| 360 MHz         | 6.2 dB/100ft        |
| 540 MHz         | 7.7 dB/100ft        |
| 720 MHz         | 9.1 dB/100ft        |
| 750 MHz         | 9.5 dB/100ft        |
| 1000 MHz        | 10.5 dB/100ft       |
| 1500 MHz        | 13 dB/100ft         |
| 2500 MHz        | 16.9 dB/100ft       |
| 3000 MHz        | 18.5 dB/100ft       |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.24 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: | -35°C To +75°C |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 52 lbs/1000ft |
| Max. Pull Tension:           | 108 lbs       |
| Min. Bend Radius/Minor Axis: | 5 in          |

Standards

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

|                       |         |
|-----------------------|---------|
| CEC/C(UL) Compliance: | CMG     |
| RG Type:              | Mini 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 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

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

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item #         | Color | Put-Up Type | Length   | UPC          |
|----------------|-------|-------------|----------|--------------|
| 1855S3 000500  | None  | Reel        | 500 ft   | 612825356967 |
| 1855S3 0001000 | None  | Reel        | 1,000 ft | 612825356943 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.338 Revision Date: 09-10-2021 |
|----------------------|--------------------------------------------------|

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