

**Product:** [7713A](#) 



VideoFLEX® Snake, RG6, #18-10 Coax, CMR

## Product Description

VideoFLEX® Digital Coax Snake Cable, Riser-CMR, 10-RG6 18 AWG, solid bare copper conductors, foam HDPE core, Duofoil® +95% tinned copper braid, PVC jacket

## Technical Specifications

### Product Overview

|                        |                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | SMPTE 2081-1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD-SDI 1080p, SDI/HDTV Digital Video, High Definition (HD), Standard Definition (SDI) |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 18  | Solid     | BC - Bare Copper | 0.04 in          | 10          |

|                  |    |
|------------------|----|
| Conductor Count: | 10 |
|------------------|----|

#### Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.18 in          |

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

#### Color Chart

| Number | Color  |
|--------|--------|
| 1      | White  |
| 2      | Black  |
| 3      | Brown  |
| 4      | Red    |
| 5      | Orange |
| 6      | Yellow |
| 7      | Green  |
| 8      | Blue   |
| 9      | Purple |
| 10     | Gray   |

#### 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 | 0.275 in         |

#### Outer Jacket

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 1.386 in         |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Inner Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------------------------|--------------------------|---------------------|
| 6.4 Ohm/1000ft        | 6.4 Ohm/1000ft                             | 3 Ohm/1000ft             | 3.0 Ohm/1000ft      |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.3 pF/ft                           |

Impedance

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

Return Loss

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
| 5-1600 MHz      | 23 dB                             |
| 1600-4500 MHz   | 21 dB                             |
| 4500-6000 MHz   | 15 dB                             |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz           | 0.24 dB/100ft       |
| 3.58 MHz        | 0.44 dB/100ft       |
| 5 MHz           | 0.52 dB/100ft       |
| 7 MHz           | 0.61 dB/100ft       |
| 10 MHz          | 0.71 dB/100ft       |
| 67.5 MHz        | 1.65 dB/100ft       |
| 71.5 MHz        | 1.69 dB/100ft       |
| 88.5 MHz        | 1.86 dB/100ft       |
| 100 MHz         | 1.95 dB/100ft       |
| 135 MHz         | 2.24 dB/100ft       |
| 143 MHz         | 2.3 dB/100ft        |
| 180 MHz         | 2.57 dB/100ft       |
| 270 MHz         | 3.17 dB/100ft       |
| 360 MHz         | 3.69 dB/100ft       |
| 540 MHz         | 4.6 dB/100ft        |
| 720 MHz         | 5.38 dB/100ft       |
| 750 MHz         | 5.5 dB/100ft        |
| 1000 MHz        | 6.42 dB/100ft       |
| 1500 MHz        | 7.99 dB/100ft       |
| 2000 MHz        | 9.37 dB/100ft       |
| 2250 MHz        | 10.01 dB/100ft      |
| 3000 MHz        | 11.78 dB/100ft      |
| 4500 MHz        | 14.7 dB/100ft       |
| 6000 MHz        | 17.7 dB/100ft       |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.24 ns/ft    | 82%                                      |

Voltage

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

Temperature Range

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

Mechanical Characteristics

|                    |                |
|--------------------|----------------|
| Bulk Cable Weight: | 786 lbs/1000ft |
|--------------------|----------------|

|                                      |         |
|--------------------------------------|---------|
| Maximum Recommended Pulling Tension: | 690 lbs |
| Minimum Minor Axis Bend Radius:      | 14 in   |

Standards

|                          |                                          |
|--------------------------|------------------------------------------|
| NEC/(UL) Compliance:     | CMR                                      |
| CEC/C(UL) Compliance:    | CMG                                      |
| UL AWM Style Compliance: | AWM 1354 (each coax), AWM 2688 (overall) |
| RG Type:                 | 6                                        |
| Series Type:             | 6                                        |

Applicable Environmental and Other Programs

|                                              |                               |
|----------------------------------------------|-------------------------------|
| Environmental Space:                         | Indoor/Outdoor                |
| 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:                                  | No                            |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Suitability - Aerial:  | Yes - Black only, when supported by messenger wire |
| Suitability - Burial:  | No                                                 |
| Suitability - Indoor:  | Yes                                                |
| Suitability - Outdoor: | Yes - Black only                                   |

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 |
|---------------|----|

Related Part Numbers

Variants

| Item #        | Color        | Put-Up Type | Length   | UPC          |
|---------------|--------------|-------------|----------|--------------|
| 7713A B591000 | Black, Matte | Reel        | 1,000 ft | 612825357223 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.361 Revision Date: 02-20-2026 |
|----------------------|--------------------------------------------------|

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