



Product: [7792A](#)



VideoFLEX® Snake, Sub-miniature, 12 Coax 23 AWG, Riser

Product Description

Digital Coax Snake Cable, 12-Sub-miniature 23 AWG, solid bare copper conductors, foam HDPE core, Duofoil® + 95% tinned copper braid, Riser, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 23 | Solid | BC - Bare Copper | 0.023 in | 12 |

Conductor Count:12

Insulation

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

Table Notes:Gas Injected

| 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 Shield

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

| Outer Jacket | |
|--------------------------|------------------|
| Material | Nominal Diameter |
| PVC - Polyvinyl Chloride | 0.825 in |

Electrical Characteristics

| Conductor DCR | | |
|-----------------------|--------------------------|---------------------|
| Nominal Conductor DCR | Nominal Inner Shield DCR | Outer Conductor DCR |
| 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 |

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 |
| 4500 MHz | 24.6 dB/100ft |
| 6000 MHz | 28.97 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 Temperature Range: | -35°C To +75°C |

Mechanical Characteristics

| | |
|------------------------------|----------------|
| Bulk Cable Weight: | 310 lbs/1000ft |
| Max. Pull Tension: | 432 lbs |
| Min. Bend Radius/Minor Axis: | 8.5 in |

Standards

| | |
|-----------------------|---------|
| NEC/(UL) Compliance: | CMR |
| CEC/C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| RG Type: | Mini 59 |

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| Environmental Space: | Indoor/Outdoor |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/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 |
| CSA Flammability: | FT4 |
| IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|---------------|--------------|-------------|----------|--------------|
| 7792A B59500 | Black, Matte | Reel | 500 ft | 612825355434 |
| 7792A B591000 | Black, Matte | Reel | 1,000 ft | 612825355373 |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.401 Revision Date: 04-29-2024 |
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