

Product: [88241](#) 

Analog Video, RG59, #23 Solid BCCS, 95% BC Braid, FEP Jacket, CMP



Product Description

23 AWG Solid .023" bare copper-covered steel conductor, plenum, FEP insulation, bare copper braid shield (95% coverage), FEP jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 23 | Solid | BCCS - Bare Copper Covered Steel | 0.023 in | 1 |

Conductor Count: 1

Insulation

| Material | Nominal Diameter |
|--------------------------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | 0.132 in |

Outer Shield Material

| Type | Material | Coverage [%] |
|-------|------------------|--------------|
| Braid | Bare Copper (BC) | 95% |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------------------|------------------|
| FEP - Fluorinated Ethylene Propylene | 0.19 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 49 Ohm/1000ft | 49 Ohm/1000ft | 2.6 Ohm/1000ft | 2.6 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 19.5 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.126 µH/ft |

Impedance

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

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 0.5 dB/100ft |
| 10 MHz | 1 dB/100ft |

| | |
|----------|---------------|
| 50 MHz | 2.3 dB/100ft |
| 100 MHz | 3.3 dB/100ft |
| 200 MHz | 5.2 dB/100ft |
| 400 MHz | 8.4 dB/100ft |
| 700 MHz | 11.6 dB/100ft |
| 900 MHz | 13.8 dB/100ft |
| 1000 MHz | 14.8 dB/100ft |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|--|
| 1.45 ns/ft | 69.5% |

Voltage

| Non-UL Voltage Rating | UL Voltage Rating |
|-----------------------|-------------------|
| 1700 V RMS | 300 V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| Non-UL Temp Rating: | 200°C |
| Operating Temp Range: | -70°C To +200°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 36 lbs/1000ft |
| Max. Pull Tension: | 62 lbs |
| Min Bend Radius/Minor Axis: | 2.5 in |

Standards

| | |
|-----------------------|-----------|
| NEC/(UL) Compliance: | CMP |
| CEC/C(UL) Compliance: | CMP |
| CPR Euroclass: | Eca |
| RG Type: | 59/U Type |

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 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: | No |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|---------------|
| UL Flammability: | NFPA 262 |
| CSA Flammability: | FT6 |
| IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

| | |
|--------------------|------|
| Non-Plenum Number: | 8241 |
|--------------------|------|

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 88241 010500 | Black | Reel | 500 ft | 612825216957 |
| 88241 0101000 | Black | Reel | 1,000 ft | 612825216933 |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.259 Revision Date: 04-28-2020 |
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