

Product: 82241



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

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

| Condu | ictor | | | | | | | | |
|----------------------------|---|--------------|-------------|---------------|----------|-----------|-------------|------------------|--------------------|
| AWG | Stranding | | Material | | Nominal | Diameter | No. of Coax | | |
| 23 | Solid | BCCS - Ba | re Copper (| Covered Steel | 0.023 in | | 1 | | |
| Conductor Count: | | | | 1 | | | _ | | |
| nsulat | tion | | | | | | | | |
| | Mate | erial | No | ominal Diamet | er | | | | |
| FEP - | Fluorinated E | Ethylene Pro | pylene 0.1 | 134 in | | | | | |
| | | | | | | | | | |
| Outer | Shield Mater | ial | | | | | | | |
| Туре | Materia | al Cov | erage [%] | | | | | | |
| Braid | Bare Coppe | er (BC) 95% |) | | | | | | |
| 0 | | | | | | | | | |
| Juter | Jacket Mater | - | | | | | | | |
| | Material Material Trade Name Nominal Diameter | | | | | | | | |
| PVC-I | PVC-LS - Polyvinyl Chloride (Low Smoke) Flamarrest® 0.19 in | | | | | | | | |
| Electrical Characteristics | | | | | | | | | |
| LIECI | | acterist | 5 | | | | | | |
| Condu | ctor DCR | | | | | | | | |
| Nor | minal Condu DCR | ctor No | minal Con | ductor DCR C | onductor | Resistanc | e Nominal O | Duter Shield DCR | Outer Conductor DC |
| | | | | | | | | | |

Capacitance

| Nom. Capacitance Conductor to Shi | eld |
|-----------------------------------|-----|
| 19.5 pF/ft | |

Inductance

Nominal Inductance

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: | 75°C |
|-----------------------|----------------|
| UL Temp Rating: | 60°C |
| Operating Temp Range: | -20°C To +75°C |

Mechanical Characteristics

| Bulk Cable Weight: | 34 lbs/1000ft |
|-----------------------------|---------------|
| Max. Pull Tension: | 62 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| NEC/(UL) Compliance: | СМР |
|-----------------------|-----------|
| CEC/C(UL) Compliance: | СМР |
| RG Type: | 59/U Type |
| Series Type: | Series 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: | No |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LS0H, Toxicity Testing

| UL voltage rating: 300 V RMS | |
|------------------------------|--|

Yes

8241

Plenum/Non-Plenum

Plenum (Y/N):

Part Number

Non-Plenum Number:

| Variants | | | | |
|---------------|---------|------------|--------|--------------|
| ltem # | Color | Putup Type | Length | UPC |
| 82241 877U500 | Natural | UnReel | 500 ft | 612825196495 |

| Update and Revis | ion: | | | Revis |
|------------------|---------|--------|----------|--------------|
| History | | | | |
| Footnote: | | | | C - C |
| 82241 877U1000 | Natural | UnReel | 1,000 ft | 612825196464 |
| 82241 8771000 | Natural | Reel | 1,000 ft | 612825196457 |

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