

Product: [8238](#) 

Analog Video, RG11, #18 Str TC, 95% BC Braid, PVC Jacket, CM



Product Description

18 AWG stranded (7x26) .048" tinned copper conductor, flame-retardant semi-foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

| Conductor        |           |                    |                  |             |
|------------------|-----------|--------------------|------------------|-------------|
| AWG              | Stranding | Material           | Nominal Diameter | No. of Coax |
| 18               | 7x26      | TC - Tinned Copper | 0.048 in         | 1           |
| Conductor Count: |           |                    |                  | 1           |

| Insulation               |                  |
|--------------------------|------------------|
| Material                 | Nominal Diameter |
| PE - Polyethylene (Foam) | 0.285 in         |

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

| Outer Jacket Material    |                  |
|--------------------------|------------------|
| Material                 | Nominal Diameter |
| PVC - Polyvinyl Chloride | 0.405 in         |

Electrical Characteristics

| Conductor DCR         |                       |                      |                          |                     |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
| 6.1 Ohm/1000ft        | 6.1 Ohm/1000ft        |                      | 1.2 Ohm/1000ft           | 1.2 Ohm/1000ft      |

| Capacitance                          |  |
|--------------------------------------|--|
| Nom. Capacitance Conductor to Shield |  |
| 20.5 pF/ft                           |  |

| Inductance         |  |
|--------------------|--|
| Nominal Inductance |  |
| 0.115 µH/ft        |  |

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

| High Frequency (Nominal/Typical) |                     |
|----------------------------------|---------------------|
| Frequency [MHz]                  | Nom. Insertion Loss |
| 1 MHz                            | 0.2 dB/100ft        |
| 10 MHz                           | 0.7 dB/100ft        |

|          |              |
|----------|--------------|
| 50 MHz   | 1.3 dB/100ft |
| 100 MHz  | 2 dB/100ft   |
| 200 MHz  | 2.9 dB/100ft |
| 400 MHz  | 4.2 dB/100ft |
| 700 MHz  | 5.8 dB/100ft |
| 900 MHz  | 6.8 dB/100ft |
| 1000 MHz | 7.1 dB/100ft |

#### Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.54 ns/ft    | 66%                                      |

#### High Freq

| Frequency [MHz] |
|-----------------|
| 1 MHz           |
| 10 MHz          |
| 50 MHz          |
| 100 MHz         |
| 200 MHz         |
| 400 MHz         |
| 700 MHz         |
| 900 MHz         |
| 1000 MHz        |

#### Voltage

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

### Temperature Range

|                       |                |
|-----------------------|----------------|
| Non-UL Temp Rating:   | 80°C           |
| Operating Temp Range: | -40°C To +80°C |

### Mechanical Characteristics

|                             |                |
|-----------------------------|----------------|
| Bulk Cable Weight:          | 108 lbs/1000ft |
| Max. Pull Tension:          | 143 lbs        |
| Min Bend Radius/Minor Axis: | 4 in           |

### Standards

|                       |           |
|-----------------------|-----------|
| NEC/(UL) Compliance:  | CM        |
| CEC/C(UL) Compliance: | CM        |
| CPR Euroclass:        | Eca       |
| RG Type:              | 11/U Type |
| Series Type:          | Series 11 |

### 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): | 2005-10-13                    |
| MII Order #39 (China RoHS):           | Yes                           |

### Suitability

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

Flammability, LS0H, Toxicity Testing

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| IEC Flammability:  | IEC 60332-1-2     |
| UL voltage rating: | 300 V RMS         |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #       | Color | Putup Type | Length   | UPC          |
|--------------|-------|------------|----------|--------------|
| 8238 010500  | Black | Reel       | 500 ft   | 612825196754 |
| 8238 0101000 | Black | Reel       | 1,000 ft | 612825355618 |

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.246 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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