


Product: [1191AM](#) 

CATV Video, RG6, 18 AWG BCCS, Quad Shield, Messenger



Product Description

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (Foil + 60% Braid + Foil + 40% Braid), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 18 | Solid | BCCS - Bare Copper Covered Steel | 0.04 in | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

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

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

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-------------------------------|---------------------|--------------|
| Tape | 1 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 2 | Aluminum | | 60% |
| Tape | 3 | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| Braid | 4 | Aluminum | | 40% |

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | .298 x .433 in |

Construction and Dimensions

| | |
|-----------------------------------|------------------|
| OuterJacket1, Messenger Diameter: | 0.051 in |
| OuterJacket1, Messenger Material: | Galvanized Steel |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------|---------------------|
| 28 Ohm/1000ft | 4.8 Ohm/1000ft | 4.8 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 16.2 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.097 µH/ft |

Impedance

Nominal Characteristic Impedance

75 Ohm

Return Loss (RL)

Frequency [MHz] | Min. Structural Return Loss (SRL)

5 - 50 MHz | 20 dB

High Frequency (Nominal/Typical)

Frequency [MHz] | Nom. Insertion Loss

| | |
|----------|---------------|
| 5 MHz | 0.58 dB/100ft |
| 55 MHz | 1.60 dB/100ft |
| 211 MHz | 3.05 dB/100ft |
| 250 MHz | 3.30 dB/100ft |
| 270 MHz | 3.37 dB/100ft |
| 300 MHz | 3.55 dB/100ft |
| 330 MHz | 3.74 dB/100ft |
| 350 MHz | 3.85 dB/100ft |
| 400 MHz | 4.15 dB/100ft |
| 450 MHz | 4.40 dB/100ft |
| 500 MHz | 4.66 dB/100ft |
| 550 MHz | 4.90 dB/100ft |
| 600 MHz | 5.10 dB/100ft |
| 750 MHz | 5.65 dB/100ft |
| 870 MHz | 6.11 dB/100ft |
| 1000 MHz | 6.55 dB/100ft |

Delay

Nominal Delay | Nominal Velocity of Propagation (VP) [%]

1.2 ns/ft | 83%

High Freq

Frequency [MHz] | Max. Insertion Loss (Attenuation)

| | |
|----------|---------------|
| 5 MHz | 0.67 dB/100ft |
| 55 MHz | 1.6 dB/100ft |
| 211 MHz | 2.87 dB/100ft |
| 270 MHz | 3.24 dB/100ft |
| 300 MHz | 3.43 dB/100ft |
| 350 MHz | 3.72 dB/100ft |
| 400 MHz | 4 dB/100ft |
| 450 MHz | 4.26 dB/100ft |
| 550 MHz | 4.71 dB/100ft |
| 750 MHz | 5.59 dB/100ft |
| 870 MHz | 6 dB/100ft |
| 1000 MHz | 6.54 dB/100ft |

Voltage

Non-UL Voltage Rating

350 V RMS

Temperature Range

Operating Temp Range: -40°C To +80°C

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 44 lbs/1000ft |
| Max. Pull Tension: | 110 lbs |
| Min Bend Radius/Minor Axis: | 3 in |

Standards

| | |
|--------------|----------|
| RG Type: | 6/U Type |
| Series Type: | 6 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Outdoor - Aerial |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/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: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------|------------|----------|--------------|
| 1191AM 0101000 | Black | Reel | 1,000 ft | 612825108160 |

History

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| Update and Revision: | Revision Number: 0.329 Revision Date: 09-30-2020 |
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