



Part Number: 5339W5

Surveillance CATV MATV, RG-6 #18 BC, Duofoil® + 60% AL Braid, CM, Gel Fill

Product Description

Surveillance, CATV & MATV Cable, RG6, Rated-CM, 18 AWG solid bare copper, foam polyolefin core, Duofoil® + 60% aluminum braid, CoreGuard® gel filled, PVC jacket, UV Resistant

Technical Specifications

Product Overview

| | |
|------------------------|-----------------------------------|
| Suitable Applications: | Surveillance/Security, CATV, MATV |
|------------------------|-----------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|------------------|------------------|-------------|
| 18 | Solid | BC - Bare Copper | 0.040 in | 1 |

| | |
|------------------|--------|
| Conductor Count: | 1 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Nominal Diameter |
|--------------------------------------|------------------|
| Gas-injected FPE - Foam Polyethylene | 0.180 in |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|-----------------------------|---------------------|--------------|
| Tape | 1 | Aluminum/Polyester/Aluminum | Duofoil® | 100 % |
| Braid | 2 | AL - Aluminum | Duofoil® | 60 % |

Note: CoreGuard®

Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.27 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--|--------------------------|---------------------|
| 6.5 Ohm/1000ft | 6.5 Ohm/1000ft | 9 Ohm/1000ft | 9.0 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

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 4 MHz | 0.6 dB/100ft |
| 30 MHz | 1.33 dB/100ft |
| 211 MHz | 3.08 dB/100ft |
| 270 MHz | 3.5 dB/100ft |
| 300 MHz | 3.7 dB/100ft |
| 330 MHz | 3.89 dB/100ft |
| 400 MHz | 4.3 dB/100ft |
| 450 MHz | 4.58 dB/100ft |
| 550 MHz | 5.09 dB/100ft |
| 750 MHz | 6 dB/100ft |
| 870 MHz | 6.5 dB/100ft |
| 1000 MHz | 7 dB/100ft |

Delay

| Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-----------------|---------------|--|
| 83 ns/100m | 1.24 ns/ft | 82.0 % |

Voltage

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

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -40°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 28 lbs/1000ft |
| Max Recommended Pulling Tension: | 50 lbs |
| Min Bend Radius/Minor Axis: | 2.7 in |

Standards

| | |
|--------------------------|----------|
| NEC/(UL) Specification: | CL2, CM |
| CEC/C(UL) Specification: | CM |
| CPR Euroclass: | Eca |
| RG Type: | 6/U Type |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| 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: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------------------|--|
| Suitability - Aerial: | Yes - When supported by messenger wire |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|---------------------|-----|
| C(UL) Flammability: | FT1 |
|---------------------|-----|

| | |
|--------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color |
|-----------------|-------|
| 5339W5 0101000 | Black |
| 5339W5 010U1000 | Black |

Product Notes

| | |
|--------|---|
| Notes: | Print legend includes sequential footage marks. |
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