



Product: <u>5339Q5</u> ☑

Surveillance CATV MATV, RG-6 #18 BC, Quad Shield, CM

Product Description

Surveillance, CATV & MATV Cable, RG6, Rated-CM, 18 AWG solid bare copper, foam polyolefin core, quad shield-Duofoil® + 60% aluminum braid + Duofoil® + 40% aluminum braid, PVC jacket

Technical Specifications

Product Overview

| Suitable Applications: | | | CATV, MATV | |
|-------------------------------------|------------------------------------|----------------|------------------|------------------|
| Phys | Physical Characteristics (Overall) | | | |
| Condu | Conductor | | | |
| AWG | Stranding | Material | Nominal Diame | eter No. of Coax |
| 18 | Solid | BC - Bare Copp | oer 0.040 in | 1 |
| Conductor Count: | | | 1 | |
| Insulat | ion | | | |
| Layer Material Nominal Diameter | | | Nominal Diameter | |
| 1 PE - Polyethylene (Foam) 0.180 in | | | | |
| Table Notes: | | | Gas Injected | |
| | | | | |

Color Chart 2



Outer Shield

| 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

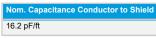
| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.298 in |

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 | 7 Ohm/1000ft | 7.0 Ohm/1000ft |

Capacitance



Inductance

Nominal Inductance

Impedance

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

Delay

| Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-----------------|---------------|--|
| 83 ns/100m | 1.24 ns/ft | 82% |

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 5 MHz | 0.81 dB/100ft |
| 55 MHz | 1.6 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 |

Voltage

Non-UL Voltage Rating 300 V RMS

Temperature Range

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

Mechanical Characteristics

| Bulk Cable Weight: | 35 lbs/1000ft |
|------------------------------|---------------|
| Max. Pull Tension: | 76 lbs |
| Min. Bend Radius/Minor Axis: | 3 in |

Standards

| NEC/(UL) Compliance: | CATV, CM |
|-----------------------|----------|
| CEC/C(UL) Compliance: | CM |
| CPR Euroclass: | Eca |
| RG Type: | 6 |
| Series Type: | 6 |

Applicable Environmental and Other Programs

| Yes |
|-----|
| Yes |
| |

Suitability

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

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

Flammability, LS0H, Toxicity Testing

| UL Flammability: | UL1685 UL Loading |
|-------------------|-------------------|
| IEC Flammability: | IEC 60332-1-2 |

Plenum/Non-Plenum

| Plenum (Y/N): | No |
|----------------|--------|
| Plenum Number: | 6339Q8 |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|-----------------|-------|-------------|----------|--------------|
| 5339Q5 0101000 | Black | Reel | 1,000 ft | 612825160977 |
| 5339Q5 010U1000 | Black | UnReel | 1,000 ft | 612825160960 |
| 5339Q5 009U500 | White | UnReel | 500 ft | 612825160946 |
| 5339Q5 0091000 | White | Reel | 1,000 ft | 612825160953 |
| 5339Q5 009U1000 | White | UnReel | 1,000 ft | 612825160939 |

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes: Print legend includes sequential footage marks.

History

| Update and Revision: | Revision Number: 0.440 Revision Date: 04-29-2024 |
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