



Product: [633938](#)

Surveillance CATV MATV, RG-6 #18 Sol BC, FFEP Core, Duofoil® + AL Braid, Flamarrest® Jkt, CMP, CATVP

Product Description

Surveillance, CATV & MATV, RG6, 18 AWG solid bare copper, foam FEP core, Duofoil® + 90% aluminum braid, Low Smoke PVC jacket, CMP & CATVP

Technical Specifications

Product Overview

| | |
|------------------------|------------|
| Suitable Applications: | CATV, MATV |
|------------------------|------------|

Construction Details

| | |
|----------|---|
| RG Type: | 6 |
|----------|---|

Conductor

| Size | Stranding | Nom. Diameter | Material |
|--------|-----------|---------------|------------------|
| 18 AWG | Solid | 0.040 in | BC - Bare Copper |

Insulation

| Material | Nom. Insulation Diameter |
|---|--------------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.170 in (4.32 mm) |

Outer Shield

| Layer | Outer Shield Type | Material | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1 | Tape | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| 2 | Braid | Aluminum | | 90% |

Outer Jacket

| Material | Nom. Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.233 in (5.92 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.233 in (5.92 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz | 0.24 dB/100ft |
| 3 MHz | 0.45 dB/100ft |
| 5 MHz | 0.55 dB/100ft |
| 8 MHz | 0.70 dB/100ft |
| 10 MHz | 0.85 dB/100ft |
| 50 MHz | 1.50 dB/100ft |
| 100 MHz | 2.10 dB/100ft |
| 200 MHz | 3.10 dB/100ft |
| 400 MHz | 4.50 dB/100ft |
| 700 MHz | 6.00 dB/100ft |
| 900 MHz | 6.90 dB/100ft |
| 1000 MHz | 7.30 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|----------------------------|----------------------------|---------------------------------|-------------------------------|------------------------|
| 6.4 Ohm/1000ft (21 Ohm/km) | 3.5 Ohm/1000ft (11 Ohm/km) | 16.3 pF/ft (53.5 pF/m) | 75 Ohm | 83% |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|--------------|
| 75°C | 0°C to +75°C |

Bend Radius

| Installation Min. |
|-------------------|
| 2.3 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 76 lbs (34 kg) |
| Bulk Cable Weight: | 27 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | NFPA 262, FT6 |
| NEC / UL Compliance: | CATVP, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.300 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|---------|------------|----------|--------------|
| 633938 010U1000 | Black | UnReel | 1,000 ft | 612825176091 |
| 633938 008U1000 | Gray | UnReel | 1,000 ft | 612825176077 |
| 633938 877500 | Natural | Reel | 500 ft | 612825176121 |
| 633938 8771000 | Natural | Reel | 1,000 ft | 612825176114 |
| 633938 877U1000 | Natural | UnReel | 1,000 ft | 612825176107 |
| 633938 009U1000 | White | UnReel | 1,000 ft | 612825176084 |

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