



Product: [633948](#)

Surveillance CCTV, RG-6 #18 BC, 95% BC Braid, CMP

Product Description

Surveillance & CCTV Cable, RG6, Plenum-CMP, 18 AWG solid bare copper, foam FEP core, 95% bare copper braid, Flamarrest® jacket

Technical Specifications

Product Overview

| | |
|------------------------|---------------------------|
| Suitable Applications: | Surveillance, CCTV Camera |
|------------------------|---------------------------|

Construction Details

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

Conductor

| No. of Elements | Size | Stranding | Nom. Diameter | Material |
|-----------------|--------|-----------|---------------|------------------|
| 1 | 18 AWG | Solid | 0.040 in | BC - Bare Copper |

Insulation

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

Outer Shield

| Layer | Outer Shield Type | Material | Coverage |
|-------|-------------------|------------------|----------|
| 1 | Braid | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Nom. Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.228 in (5.79 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.228 in (5.79 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 | 0.7 dB/100ft |
| 10 MHz | 0.85 dB/100ft |
| 50 MHz | 1.5 dB/100ft |
| 100 MHz | 2.1 dB/100ft |
| 200 MHz | 3.1 dB/100ft |
| 400 MHz | 4.7 dB/100ft |
| 700 MHz | 6.8 dB/100ft |
| 900 MHz | 8 dB/100ft |
| 1000 MHz | 8.5 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. | Max. Delay Skew |
|----------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| 6.4 Ohm/1000ft (21 Ohm/km) | 2.2 Ohm/1000ft (7.2 Ohm/km) | 16.3 pF/ft (53.5 pF/m) | 75 Ohm | 83% | 83 ns/100m |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 2.25 in (57.2 mm) | 2.25 in (57.2 mm) |

Max. Pull Tension: 84 lbs (38 kg)

Bulk Cable Weight: 38 lbs/1000ft

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, FT6 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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| Notes: | PF_633948 (1)RG Type :-In Stibo series is 6 but it is not available in BPCS. (2)# Elements@Conductor1:-In Stibo it was Blank and now changed it to 1. (3)Size@Conductor1 :-In Stibo it was 18 now changed to 18 AWG (4)Color@Color Chart1 01 :- In stibo it was Blank now Changed to White (5)Material@OuterShield1 1 - In stibo it is Tri-Laminate (Alum+Poly+Alum) But in BPCS (Heat fusible+ Alum+ Poly+Alum) (6)Coverage@OuterShield1 2 - in stibo it was 95% Now changed to 94% (7)Cable diameter- it was blank now changed to 0.228 in |
|--------|--|

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.525 Revision Date: 05-16-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|-----------------|---------|------------|----------|--------------|----------|
| 633948 010U1000 | Black | UnReel | 1,000 ft | 612825176176 | |
| 633948 008U1000 | Gray | UnReel | 1,000 ft | 612825176152 | |
| 633948 877500 | Natural | Reel | 500 ft | 612825176237 | C |
| 633948 877U500 | Natural | UnReel | 500 ft | 612825176213 | |
| 633948 8771000 | Natural | Reel | 1,000 ft | 612825176220 | C |
| 633948 877U1000 | Natural | UnReel | 1,000 ft | 612825176206 | |
| 633948 0071000 | Violet | Reel | 1,000 ft | 612825176145 | C |
| 633948 009U1000 | White | UnReel | 1,000 ft | 612825176169 | |

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