

## 533945 Coax - Surveillance and CCTV Applications

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG bare copper conductor, foam polyethylene insulation, bare copper braid shield, sequential footage marking every two feet.

**Usage (Overall)**

Suitable Applications: Analog Video/CCTV

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 18  | Solid     | BC - Bare Copper   | .040       |

**Insulation**

Insulation Material:

| Insulation Material                  | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | .180       |

**Outer Shield**

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 95.000       |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

**Overall Cabling**

Overall Nominal Diameter: 0.266 in.

**Mechanical Characteristics (Overall)**

|                                        |                 |
|----------------------------------------|-----------------|
| UL Temperature Rating:                 | 75°C            |
| Bulk Cable Weight:                     | 36 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 69 lbs.         |
| Min. Bend Radius (Install)/Minor Axis: | 2.750 in.       |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMG        |
| NEC Articles:                         | 800        |
| CEC/C(UL) Specification:              | CMG        |
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

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|                                 |     |
|---------------------------------|-----|
| EU Directive 2002/96/EC (WEEE): | Yes |
|---------------------------------|-----|

|                                |     |
|--------------------------------|-----|
| EU Directive 2003/11/EC (BFR): | Yes |
|--------------------------------|-----|

|                                   |     |
|-----------------------------------|-----|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
|-----------------------------------|-----|

|                             |     |
|-----------------------------|-----|
| MII Order #39 (China RoHS): | Yes |
|-----------------------------|-----|

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

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

**Flame Test**

|                |                    |
|----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
|----------------|--------------------|

|                   |     |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

|                        |                   |
|------------------------|-------------------|
| Suitability - Outdoor: | Yes - Black only. |
|------------------------|-------------------|

|                       |                   |
|-----------------------|-------------------|
| Suitability - Aerial: | Yes - Black only. |
|-----------------------|-------------------|

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

|                 |
|-----------------|
| Impedance (Ohm) |
|-----------------|

|    |
|----|
| 75 |
|----|

**Nom. Inductance:**

|                    |
|--------------------|
| Inductance (μH/ft) |
|--------------------|

|      |
|------|
| .097 |
|------|

**Nom. Capacitance Conductor to Shield:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
|---------------------|

|      |
|------|
| 16.3 |
|------|

**Nominal Velocity of Propagation:**

|        |
|--------|
| VP (%) |
|--------|

|    |
|----|
| 83 |
|----|

**Nominal Delay:**

|               |
|---------------|
| Delay (ns/ft) |
|---------------|

|      |
|------|
| 1.21 |
|------|

**Nom. Conductor DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

|     |
|-----|
| 6.4 |
|-----|

**Nominal Outer Shield DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|

|       |
|-------|
| 2.700 |
|-------|

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
|-------------|--------------------------|

|      |     |
|------|-----|
| 1    | .24 |
| 10   | .72 |
| 50   | 1.5 |
| 100  | 2.0 |
| 200  | 2.9 |
| 400  | 4.2 |
| 700  | 5.6 |
| 900  | 6.4 |
| 1000 | 7.0 |

**Max. Operating Voltage - UL:**

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**Voltage**

300 V RMS

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc   |
|-----------------|----------|-------------|-------|-------|-------------|
| 533945 009U1000 | 1,000 FT | 44.000 LB   | WHITE |       | RG-6/U COAX |
| 533945 009I1000 | 1,000 FT | 46.000 LB   | WHITE | C     | RG-6/U COAX |
| 533945 010U1000 | 1,000 FT | 44.000 LB   | BLACK |       | RG-6/U COAX |
| 533945 010I1000 | 1,000 FT | 46.000 LB   | BLACK | C     | RG-6/U COAX |
| 533945 010500   | 500 FT   | 24.000 LB   | BLACK | C     | RG-6/U COAX |

**Notes:**

C = CRATE REEL PUT-UP.

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