

## 579945 Composite - CCTV Plus Audio or Powr or Pan and Tilt CCTV Control Applications



For more Information  
please call

1-800-Belden1



### Description:

25 AWG bare copper conductor, foam polyolefin insulation, bare copper braid shield, PVC jacket

### Coax

#### Physical Characteristics

##### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 25  | Solid     | BC - Bare Copper   | 0.018      |

##### Insulation

Insulation Material:

| Insulation Material                  | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | 0.085      |

##### Inner Shield

Inner Shield Material:

| Type  | Inner Shield Material | % Coverage (%) |
|-------|-----------------------|----------------|
| Braid | BC - Bare Copper      | 95             |

#### Electrical Characteristics

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 75              |

Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| 0.109              |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 16.900              |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 80.000 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.270         |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 31.000                   |

Nom. Inner Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 5.600                    |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1.000       | 0.450                    |
| 5.000       | 0.900                    |
| 10.000      | 1.300                    |

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|          |        |
|----------|--------|
| 50.000   | 3.000  |
| 100.000  | 4.100  |
| 200.000  | 6.000  |
| 400.000  | 8.600  |
| 700.000  | 11.600 |
| 900.000  | 13.500 |
| 1000.000 | 14.500 |

**Twisted Pair****Physical Characteristics****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1       | 20  | 7x28      | BC - Bare Copper   | 0.038      |

**Insulation**

Insulation Material:

| Insulation Material      | Dia. (in.) |
|--------------------------|------------|
| PVC - Polyvinyl Chloride | 0.056      |

Twisted Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black and Red |

**Inner Shield**

Inner Shield Material:

| Inner Shield Material |
|-----------------------|
| Unshielded            |

**Electrical Characteristics**

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 26.000              |

**Physical Characteristics (Overall)****Conductor****Outer Jacket**

Outer Jacket Material:

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

**Overall Cable**

Overall Nominal Diameter: 0.151 in.

**Mechanical Characteristics (Overall)**

|  |                     |
|--|---------------------|
| Operating Temperature Range:           | -20°C To +75°C      |
| Bulk Cable Weight:                     | 27.000 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 40.000 lbs.         |
| Min. Bend Radius (Install)/Minor Axis: | 2.500 in.           |

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

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CM         |
| CEC/C(UL) Specification:              | CM         |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

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

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

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

**Flame Test**

UL Flame Test: UL1685 UL Loading

**Suitability**

Suitability - Indoor: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

Plenum Number: 679948

**Electrical Characteristics (Overall)****Max. Operating Voltage - UL:**

| 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                   |
|----------------|----------|-------------|-------|-------|-----------------------------|
| 579945 0091000 | 1,000 FT | 29.000 LB   | WHITE |       | 1 #20 PR,1#25 COAX PVC PARA |
| 579945 009500  | 500 FT   | 15.000 LB   | WHITE |       | 1 #20 PR,1#25 COAX PVC PARA |
| 579945 0101000 | 1,000 FT | 29.000 LB   | BLACK | C     | 1 #20 PR,1#25 COAX PVC PARA |

**Notes:**

C = CRATE REEL PUT-UP.

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