

549945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications



For more Information
please call

1-800-Belden1

**Description:**

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

Usage (Overall)

Suitable Applications:

CCTV plus Audio, Pan and Tilt CCTV Control

Coax**Physical Characteristics****Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 1 | 20 | Solid | BC - bare Copper | 0.813 |

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---|-----------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 3.683 |

Inner Shield

Inner Shield Material:

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

Applicable Specifications and Agency Compliance
Applicable Standards & Environmental Programs

EU CE Mark: Yes

RG Type: 59/U

Electrical Characteristics

Nom. Characteristic Impedance:

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

Nom. Inductance:

| Inductance (μH/m) |
|-------------------|
| 0.318 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/m) |
|--------------------|
| 53.480 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 83.000 |

Nominal Delay:

| Delay (ns/m) |
|--------------|
| 4.003 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 32.810 |

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Nom. Inner Shield DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 11.484 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1.000 | 0.984 |
| 5.000 | 2.133 |
| 10.000 | 2.953 |
| 50.000 | 6.234 |
| 100.000 | 8.531 |
| 200.000 | 11.812 |
| 400.000 | 16.405 |
| 700.000 | 22.967 |
| 900.000 | 26.248 |
| 1000.000 | 27.889 |

Max. Operating Voltage - UL:

350 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 1 | 18 | 7x26 | BC - Bare Copper | 1.168 |

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PP - Polypropylene | 1.499 |

Twisted Pair Color Code Chart:

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

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/m) |
|--------------------|
| 73.823 |

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

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

Overall Cabling

Overall Nominal Diameter:

5.893 x 11.430 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:

-30°C To +80°C

UL Temperature Rating:

75°C

Bulk Cable Weight:

80.363 Kg/Km

Max. Recommended Pulling Tension:

453.716 N

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| | |
|--|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 63.500 mm |
|--|-----------|

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

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMG |
| NEC Articles: | 800 |
| CEC/C(UL) Specification: | CMG |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2005 |
| 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 |

Flame Test

| | |
|-------------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| C(UL) Flame Test: | FT4 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Aerial: | Yes |

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum (Y/N): | No |
| Plenum Number: | 649948 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|--------|-------------|-------|-------|--------------------------|
| 549945 0091000 | 305 MT | 22.226 KG | WHITE | C | 1 #18 PR, 1 RG-59/U COAX |
| 549945 009500 | 152 MT | 12.020 KG | WHITE | C | 1#18,1RG-59/U COAX |
| 549945 0101000 | 305 MT | 22.226 KG | BLACK | C | 1#18,1RG-59/U COAX |
| 549945 010500 | 152 MT | 12.020 KG | BLACK | C | 1#18,1RG-59/U COAX |

Notes:

C = CRATE REEL PUT-UP.

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