

649948 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 fluorinated ethylene propylene 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. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 20 | Solid | BC - Bare Copper | 0.032 |

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | 0.134 |

Inner Shield

Inner Shield Material:

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

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/ft) |
|--------------------|
| 0.097 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 16.100 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 84.000 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.210 |

Nom. Conductor DC Resistance:

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

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10.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.500

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1.000 | 0.300 |
| 5.000 | 0.700 |
| 10.000 | 1.000 |
| 50.000 | 2.000 |
| 100.000 | 2.700 |
| 200.000 | 3.900 |
| 400.000 | 5.900 |
| 700.000 | 8.500 |
| 900.000 | 10.000 |
| 1000.000 | 10.700 |

Max. Operating Voltage - UL: 300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1 | 18 | 7x26 | BC - Bare Copper | 0.047 |

Insulation

Insulation Material:

| Insulation Material Dia. (in.) |
|--------------------------------|
| PVC 0.062 |

Twisted Pair Color Code Chart:

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

Inner Shield

Inner Shield Material:

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

Individual Shield

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

24.000

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material

Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name Outer Jacket Material

Flamarrest® LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.199 in.

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Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -20°C To +75°C |
| UL Temperature Rating: | 75°C |
| Bulk Cable Weight: | 48 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 97 lbs. |
| Min. Bend Radius/Minor Axis: | 2 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| 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: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Suitability

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

Plenum/Non-Plenum

| | |
|--------------------|--------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 549945 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|---------|-------|--------------------------|
| 649948 8771000 | 1,000 FT | 48.000 LB | NATURAL | C | PLENUM RG59,1PR18SIAMASE |
| 649948 877500 | 500 FT | 25.500 LB | NATURAL | C | PLENUM RG59,1PR18SIAMASE |

Notes:

C = CRATE REEL PUT-UP.

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Как с нами связаться

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