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1-800-Belden1



General Description:

RGB Video Cable, Riser-CMR, 6-25 AWG solid bare copper, foam polyethylene insulation, Beldfoil®+95% tinned copper interlocked serve, inner PVC jackets, PVC jacket

Usage (Overall)

Suitable Applications: Video

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 6 | 25 | Solid | BC - Bare Copper | 0.018 |

Total Number of Conductors: 6

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 0.074 |

Inner Shield

Inner Shield Material:

| Layer # | Type | Inner Shield Material | Coverage (%) |
|---------|-------|-------------------------|--------------|
| 1 | Tape | Aluminum Foil-Polyester | 100.000 |
| 2 | Serve | TC - Tinned Copper | 95.000 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.104 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | Black |
| 6 | White |

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.376 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 85 lbs/1000 ft.

Max. Recommended Pulling Tension: 198 lbs.

Min. Bend Radius (Each Coax): 1.100 in.

Min. Bend Radius (Overall): 4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMR |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | No |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 06/28/2012 |
| 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: | UL1666 Vertical Shaft |
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Suitability

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

Plenum/Non-Plenum

| | |
|----------------|-------|
| Plenum (Y/N): | No |
| Plenum Number: | 1396P |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.0

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

5.000

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1.000 | 0.400 |
| 5.000 | 0.900 |
| 50.000 | 3.700 |
| 100.000 | 5.000 |
| 200.000 | 7.000 |
| 400.000 | 10.000 |
| 750.000 | 14.500 |
| 900.000 | 17.000 |
| 1000.000 | 17.500 |
| 3000.000 | 37.000 |

Max. Operating Voltage - UL:

Voltage

300 V RMS

Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 5.000 | 850.000 | 15.000 |

Sweep Test

| | |
|----------------|--------------|
| Sweep Testing: | 5 - 1000 MHz |
|----------------|--------------|

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------------|-------|----------------------------|
| 1396R B591000 | 1,000 FT | 64.000 LB | BLACK, MATTE | | 6X #25 RGB COAX CMR OA JKT |
| 1396R B59500 | 500 FT | 32.500 LB | BLACK, MATTE | | 6X #25 RGB COAX CMR OA JKT |

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