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please call

1-800-Belden1



General Description:

Video Cable , Riser-CMR, RG6, 18 AWG solid bare copper, foam polyethylene insulation, Duofoil®+85% tinned copper braid, PVC jacket

Usage (Overall)

Suitable Applications: Commercial Video

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 1 | 18 | Solid | BC - Bare Copper | 1.016 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (mm) |
|---|-----------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 4.318 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Duobond® II | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100.000 |
| 2 | | Braid | TC - Tinned Copper | 85.000 |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 5.969 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 43.158 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 59.690 mm

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: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 11/22/2011

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

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

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

1369R Coax - System Integrators Video Cable

MII Order #39 (China RoHS): Yes

RG Type: 6/U

Flame Test

UL Flame Test: UL1666 Vertical Shaft

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1369P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.347786

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

54.465

Nominal Velocity of Propagation:

VP (%)

84.000

Nominal Delay:

Delay (ns/m)

3.970

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

11.812

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1.000 | 0.787 |
| 3.580 | 1.444 |
| 5.000 | 1.706 |
| 6.000 | 1.870 |
| 7.000 | 2.001 |
| 10.000 | 2.330 |
| 12.000 | 2.559 |
| 25.000 | 3.543 |
| 67.500 | 5.414 |
| 71.500 | 5.545 |
| 88.500 | 6.103 |
| 100.000 | 6.398 |
| 135.000 | 7.349 |
| 143.000 | 7.546 |
| 180.000 | 8.432 |
| 270.000 | 10.401 |
| 360.000 | 12.107 |
| 540.000 | 15.093 |
| 720.000 | 17.652 |
| 750.000 | 18.046 |
| 1000.000 | 21.064 |
| 1500.000 | 26.215 |
| 2000.000 | 30.743 |
| 2250.000 | 32.843 |
| 3000.000 | 38.650 |

Max. Operating Voltage - UL:

Voltage

METRIC MEASUREMENT VERSION

1369R Coax - System Integrators Video Cable

300 V RMS

Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

Other Electrical Characteristic 2:

Return Loss tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 Ohm fixed bridge and termination.

Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 5.000 | 3000.000 | 15.000 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------------|-------|------------------------|
| 1369R N3U1000 | 1,000 FT | 31.000 LB | GREEN, MIL | | #18 PE/GIFHLDPE SH PVC |
| 1369R N3U500 | 500 FT | 16.000 LB | GREEN, MIL | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0011000 | 1,000 FT | 31.000 LB | BROWN | | #18 PE/GIFHLDPE SH PVC |
| 1369R 001500 | 500 FT | 16.000 LB | BROWN | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0021000 | 1,000 FT | 31.000 LB | RED | | #18 PE/GIFHLDPE SH PVC |
| 1369R 002500 | 500 FT | 16.000 LB | RED | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0031000 | 1,000 FT | 31.000 LB | ORANGE | | #18 PE/GIFHLDPE SH PVC |
| 1369R 003500 | 500 FT | 16.000 LB | ORANGE | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0041000 | 1,000 FT | 31.000 LB | YELLOW | | #18 PE/GIFHLDPE SH PVC |
| 1369R 004500 | 500 FT | 16.000 LB | YELLOW | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0061000 | 1,000 FT | 31.000 LB | BLUE, LIGHT | | #18 PE/GIFHLDPE SH PVC |
| 1369R 006500 | 500 FT | 16.000 LB | BLUE, LIGHT | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0071000 | 1,000 FT | 31.000 LB | VIOLET | | #18 PE/GIFHLDPE SH PVC |
| 1369R 007500 | 500 FT | 16.000 LB | VIOLET | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0081000 | 1,000 FT | 31.000 LB | GRAY | | #18 PE/GIFHLDPE SH PVC |
| 1369R 008500 | 500 FT | 16.000 LB | GRAY | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0091000 | 1,000 FT | 31.000 LB | WHITE | | #18 PE/GIFHLDPE SH PVC |
| 1369R 009500 | 500 FT | 16.000 LB | WHITE | | #18 PE/GIFHLDPE SH PVC |
| 1369R 0101000 | 1,000 FT | 31.000 LB | BLACK | | #18 PE/GIFHLDPE SH PVC |
| 1369R 010500 | 500 FT | 16.000 LB | BLACK | | #18 PE/GIFHLDPE SH PVC |

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