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1-800-Belden1



General Description:

RG-8/U type, 13 AWG stranded (7x21) .085" bare copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 13 | 7x21 | BC - Bare Copper | .085 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene | .285 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.403 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 106 lbs/1000 ft.

Max. Recommended Pulling Tension: 190 lbs.

Min. Bend Radius/Minor Axis: 4.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC(UL) Specification: | CMH |
| CEC/C(UL) Specification: | CMH |
| 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): | 01/01/2004 |
| 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 |
| Military Specification: | JAN-C-17A |
| RG Type: | 8/U |

Flame Test

CSA Flame Test: FT1

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

52

Nom. Inductance:

Inductance (µH/ft)

.079

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

28.5

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.2

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .2 |
| 10 | .6 |
| 50 | 1.3 |
| 100 | 1.9 |
| 200 | 2.8 |
| 400 | 4.2 |
| 700 | 5.9 |
| 900 | 6.9 |
| 1000 | 7.4 |
| 4000 | 23.2 |

Nom. Power Rating:

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 50 | 1200 |
| 100 | 800 |
| 400 | 320 |
| 1000 | 180 |

Max. Operating Voltage - Non-UL:

Voltage
3700 V RMS

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|-----------------------|
| 8237 010100 | 100 FT | 13.200 LB | BLACK | C | RG-8/U JAN-C-17A COAX |
| 8237 0101000 | 1,000 FT | 111.000 LB | BLACK | C | RG-8/U JAN-C-17A COAX |
| 8237 010500 | 500 FT | 56.000 LB | BLACK | C | RG-8/U JAN-C-17A COAX |

Notes:
C = CRATE REEL PUT-UP.

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