

8215 Coax - 75 Ohm Coax

 For more Information
 please call

1-800-Belden1

**General Description:**

21 AWG solid .028" bare copper-covered steel conductor, polyethylene insulation, double bare copper braid shields (95% coverage), polyethylene jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 21 | Solid | BCCS - Bare Copper Covered Steel | .028 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene | .185 |

Outer Shield

Outer Shield Material:

| Layer # | Type | Outer Shield Material | Coverage (%) |
|---------|-------|-----------------------|--------------|
| 1 | Braid | BC - Bare Copper | 95.000 |
| 2 | Braid | BC - Bare Copper | 95.000 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|-----------------------|
| PE - Polyethylene |

Overall Cable

Overall Nominal Diameter: 0.332 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -55°C To +80°C |
| Non-UL Temperature Rating: | 80°C |
| Bulk Cable Weight: | 69 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 180 lbs. |
| Min. Bend Radius/Minor Axis: | 3.500 in. |

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

| | |
|---------------------------------------|------------|
| 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 |
| RG Type: | 6A/U |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial: | Yes |

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

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

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .115 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 20.5 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 66 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.54 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 32.0 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 1.1 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .4 |
| 10 | .8 |
| 50 | 1.9 |
| 100 | 2.7 |
| 200 | 4.1 |
| 400 | 5.9 |
| 700 | 8.1 |
| 900 | 9.4 |
| 1000 | 9.8 |

Max. Operating Voltage - Non-UL:

| Voltage |
|------------|
| 2700 V RMS |

Minimum Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------|-------------|-------------------|------------------|--------------|
| | | 5 | 450 | 23 |

Sweep Test

Sweep Testing: 100% Sweep tested 5 MHz to 450 MHz.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|-------------------|
| 8215 0101000 | 1,000 FT | 74.000 LB | BLACK | C | RG-6A/U TYPE COAX |

Notes:

C = CRATE REEL PUT-UP.

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