

8213 Coax - 75 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**Description:**

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (97% coverage), polyethylene jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 14  | Solid     | BC - Bare Copper   | .064       |

**Insulation****Insulation Material:**

| Insulation Material                                 | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | .285       |

**Outer Shield****Outer Shield Material:**

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper      | 97           |

**Outer Jacket****Outer Jacket Material:**

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

**Overall Cable**

Overall Nominal Diameter: 0.405 in.

**Mechanical Characteristics (Overall)**

|  |                 |
|--|-----------------|
| Operating Temperature Range:           | -55°C To +80°C  |
| Non-UL Temperature Rating:             | 80°C            |
| Bulk Cable Weight:                     | 78 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 171 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 4.500 in.       |

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

|                                       |            |
|---------------------------------------|------------|
| 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): | 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: | 11/U |
|----------|------|

**Suitability**

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

|                        |     |
|------------------------|-----|
| Suitability - Outdoor: | Yes |
|------------------------|-----|

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

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

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

**Nom. Inductance:**

|                    |
|--------------------|
| Inductance (μH/ft) |
| .097               |

**Nom. Capacitance Conductor to Shield:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 16.1                |

**Nominal Velocity of Propagation:**

|        |
|--------|
| VP (%) |
| 84     |

**Nominal Delay:**

|               |
|---------------|
| Delay (ns/ft) |
| 1.21          |

**Nom. Conductor DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 2.6                      |

**Nominal Outer Shield DC Resistance:**

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

**Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | .2                       |
| 10          | .4                       |
| 50          | .9                       |
| 100         | 1.3                      |
| 200         | 1.9                      |
| 400         | 2.9                      |
| 700         | 4.1                      |
| 900         | 4.8                      |
| 1000        | 5.2                      |

**Max. Operating Voltage - Non-UL:**

|           |
|-----------|
| Voltage   |
| 300 V RMS |

**Typical Structural Return Loss:**

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Typical SRL (dB) |
|-------------|-------------|-------------------|------------------|------------------|
|             |             | 5                 | 450              | 23               |

**Notes (Overall)**

**Notes:** 100% sweep tested. 5 MHz to 450 MHz.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc         |
|--------------|----------|-------------|-------|-------|-------------------|
| 8213 0101000 | 1,000 FT | 87.000 LB   | BLACK | C     | RG-11/U TYPE COAX |
| 8213 0102000 | 2,000 FT | 172.000 LB  | BLACK | C     | RG-11/U TYPE COAX |
| 8213 010500  | 500 FT   | 44.000 LB   | BLACK | C     | RG-11/U TYPE COAX |

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 05-14-2007

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