

8213 Coax - 75 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**General Description:**

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braid shield (95% coverage), polyethylene jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

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

Total Number of Conductors: 1

**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      | 95.000       |

**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/Minor Axis:      | 4 in.           |

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

|                                       |            |
|---------------------------------------|------------|
| 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): | 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        |
| MIL 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.

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc         |
|--------------|----------|-------------|-------|-------|-------------------|
| 8213         | 1 EA     | 0.000 LB    |       |       | VB 1A-2-2-212/2 M |
| 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.

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

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moschip.ru\_9