


8213 Coax - 75 Ohm Coax

| | | |
|---|--|--|
|  |  | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> |
|---|--|--|

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|------------------|
| Number of Coax | 1 |
| Total Number of Conductors | 1 |
| RG Type | 11/U |
| AWG | 14 |
| Stranding | Solid |
| Conductor Diameter | .064 in. |
| Conductor Material | BC - Bare Copper |

INSULATION:

| | |
|---------------------|---|
| Insulation Material | Gas-injected FHDPE - Foam High Density Polyethylene |
| Insulation Diameter | .285 in. |

OUTER SHIELD:

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

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .405 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | -55°C To +80°C |
| Non-UL Temperature Rating | 80°C |
| Bulk Cable Weight | 87 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 171 lbs. |
| Min. Bend Radius (Install) | 4.5 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

SUITABILITY:

| | |
|-----------------------|-----|
| Suitability - Indoor | Yes |
| Suitability - Outdoor | Yes |

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|---|------------------|
| Nom. Characteristic Impedance | 75 Ohms |
| Nom. Inductance | .097 µH/ft |
| Nom. Capacitance Conductor to Shield | 16.1 pF/ft |
| Nominal Velocity of Propagation | 84 % |
| Nominal Delay | 1.21 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 2.6 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 1.1 Ohms/1000 ft |

Typical Structural Return Loss :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Typical Structural Return Loss (dB) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------------|
| | | 5 | 450 | 23 |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. 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 - UL | 600 V RMS |
|-----------------------------|-----------|

NOTES:

| | |
|-------|--------------------------------------|
| Notes | 100% sweep tested. 5 MHz to 450 MHz. |
|-------|--------------------------------------|

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|----------------------|--------------|--------------------|--------------|-------|
| 8213 0101000 | RG-11/U TYPE COAX | 1000 | 87 | BLACK | C |
| 8213 0102000 | RG-11/U TYPE COAX | 2000 | 172 | BLACK | C |
| 8213 010500 | RG-11/U TYPE COAX | 500 | 44 | BLACK | C |

C = CRATE REEL PUT-UP.

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