

9204 Coax - 75 Ohm Coax

For more Information
please call

1-800-Belden1

**General Description:**

23 awg solid .023" bare copper-covered steel conductor, polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 23 | Solid | BCCS - Bare Copper Covered Steel | .023 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene | 0.145 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper | 95 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--|
| PVCNC - Polyvinyl Chloride Non-Contaminating |

Overall Cable

Overall Nominal Diameter: 0.242 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -40°C To +85°C |
| Non-UL Temperature Rating: | 85°C |
| Bulk Cable Weight: | 36 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 78 lbs. |
| Min. Bend Radius/Minor Axis: | 2.500 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): | 10/01/2005 |
| 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 |
| Military Specification: | MIL-DTL-17, M17/29-RG59, QPL |
| RG Type: | 59/U |

Flame Test

UL Flame Test: VW-1

CSA Flame Test: FT1

Plenum/Non-Plenum

Plenum (Y/N): No

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)**

47

Nominal Outer Shield DC Resistance:**DCR @ 20°C (Ohm/1000 ft)**

2.6

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .6 |
| 10 | 1.1 |
| 50 | 2.4 |
| 100 | 3.4 |
| 200 | 4.9 |
| 400 | 7.0 |
| 700 | 9.7 |
| 900 | 11.1 |
| 1000 | 12.0 |

Max. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 400.000 | 9.000 |
| 1000.000 | 16.000 |

Max. Power Rating:

| Freq. (MHz) | Rating (W) |
|-------------|------------|
| 50.000 | 450.000 |
| 100.000 | 300.000 |
| 200.000 | 200.000 |
| 400.000 | 130.000 |
| 700.000 | 95.000 |
| 900.000 | 80.000 |
| 1000.000 | 72.000 |

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

1700 V RMS

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|------------------|
| 9204 0101000 | 1,000 FT | 39.000 LB | BLACK | C | M17/29 RG59 COAX |
| 9204 010500 | 500 FT | 19.500 LB | BLACK | C | M17/29 RG59 COAX |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 5 Revision Date: 04-04-2014

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