

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

**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

MII Order #39 (China RoHS): Yes

Military Specification: MIL-DTL-17, M17/29-RG59, QPL

RG Type: 59/U

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### 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 (pH/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.

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