# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



## 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. (mm)
1	23	Solid	BCCS - Bare Copper Covered Steel	0.5842

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

Insulation Material Dia. (mm)
PE - Polyethylene | 3.683

#### **Outer Shield**

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

	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: 6.147 mm

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +85°C
Non-UL Temperature Rating:	85°C
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	346.960 N
Min. Bend Radius/Minor Axis:	63.500 mm

# **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

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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-17H, M17/29-RG59, QPL		
RG Type:	59/U		
lame Test			
UL Flame Test:	VW-1		
CSA Flame Test:	FT1		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

## **Electrical Characteristics (Overall)**

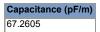
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



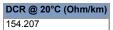
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 8.5306

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	3.6091
50	7.8744
100	11.1554
200	16.0769
400	22.967
700	31.8257
900	36.4191
1000	39.372

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)		
400.000	29.529		
1000.000	52.496		

Max. Power Rating:

Freq. (MHz) Rating (W)

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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	305 MT	17.690 KG	BLACK	С	M17/29 RG59 COAX
9204 010500	152 MT	8.845 KG	BLACK	С	M17/29 RG59 COAX

Notes:

C = CRATE REEL PUT-UP.

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