Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

9204 Coax - 75 Ohm Coax



For more Information please call

1-800-Belden1

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 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-17H, 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.

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