

ENGLISH MEASUREMENT VERSION

**49203 Molded Cable Assemblies - Coax Cable Assemblies BNC Connectors**

For more Information  
please call  
1-800-Belden1

**Description**

BNC cable assemblies. For video display instrumentation, testing and control applications, BNC coax, shielded RG-58C/U, polyethylene insulation, PVC jacket.

**Physical Characteristics (Overall):****Conductor:**

AWG

# Pairs	# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1.000	1	20	19x.0071	TC - Tinned Copper	0.035

Total Number of Conductors      1

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
PE - Polyethylene	0.116

**Connector Characteristics:**

Connector Characteristics - First End Connector GenderMale

Connector Characteristics - First End Connector TypeBNC

Connector Characteristics - First End Overmold ColorBlack

Connector Characteristics - First End Overmold Compound MaterialPVC

Connector Characteristics - First End Overmold TypeBNC handle with flex tail

Connector Characteristics - Second End Connector GenderMale

Connector Characteristics - Second End Connector TypeBNC

Connector Characteristics - Second End Overmold ColorBlack

Connector Characteristics - Second End Overmold Compound MaterialPVC

Connector Characteristics - Second End Overmold TypeBNC handle with flex tail

**Outer Shield:**

Outer Shield Material

Type	Outer Shield Material	% Coverage (%)
Braid	TC - Tinned Copper	95

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter:      0.195 in.

**Assembly Dimensional:**

Assembly Dimensional Length      4

**Mechanical Characteristics (Overall):**

Non-UL Temperature Rating      85°C

**Applicable Specifications and Agency Compliance (Overall):****Applicable Standards:**

Military Specification      MIL-C-17G, M17/155-00001 (cable only)

RG Type      58C/U

**Plenum/Non-Plenum:**

Plenum (Y/N)      N

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
50

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
30.800

Nominal Velocity of Propagation

VP (%)
66

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
10.8 ohms per 1000'

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	50.000			3.300
	100.000			4.900
	200.000			7.300
	400.000			11.500
	700.000			17.000
	900.000			20.000
	1000.000			21.500

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
4.1 ohms per 1000'

**Notes (Overall):**

Notes      Terminations reinforced with molded PVC for strain and flex relief.

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