

1672B Coax - 75 Ohm High-Frequency Cable Conformable Coax Cable



**Obsolete
Call
1-800-BELDEN1**

For more Information
please call

1-800-Belden1

**Description:**

29 AWG solid .011" silver-plated copper conductor, TFE Teflon® insulation, copper-tin composite shield (100% coverage), unjacketed.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	29	Solid	SPC - Silver Plated Copper	.0114

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.062

Outer Shield**Outer Shield Material:**

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Copper Foil	100
2	Braid	Tin-Filled Composite	100

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
Unjacketed

Overall Cabling

Overall Nominal Diameter: 0.087 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 105°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 11.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 20 lbs.

Min. Bend Radius (Install)/Minor Axis: 0.125 in.

Min. Bend Radius (Continuous Flexing): 0.375 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

AWM Specification: UL Style 10245

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2005

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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

MIL Order #39 (China RoHS): Yes

Flame Test

Other Flame Test: Horizontal Wire

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

0.109

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

19.5

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/ft)

1.46

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	1.2
10	1.8
50	4.1
100	6.5
200	9.0
400	12.8
700	18.0
1000	22.1

Nom. Power Rating:

Freq. (MHz) Rating (W)

1	520
10	295
50	195
100	160
200	140
400	130
700	127

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1000	125
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Max. Operating Voltage - UL:

Voltage
30 V RMS

Max. Operating Voltage - Non-UL:

Voltage
900 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		10	1000	25

Misc. Information (Overall)**Other Description:**

updated temp rating. 8/24/04 BAG: Corrected VP. 9/20/05 BAG: Updated Attenuation based upon measurements.

Notes (Overall)

Notes: US Patents 4, 694, 122 & 5, 293, 001. Patents held in the U.S., Singapore, Australia, Germany, France, and England. Patent pending in Japan. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 4 Revision Date: 04-07-2008

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