



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

<p style="color: red; font-weight: bold; font-size: 1.2em;">Obsolete Call 1-800-BELDEN1</p>			<p style="color: blue; font-weight: bold;">For more information please call 1-800-Belden1</p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	29
Stranding	Solid
Conductor Diameter	.0114 in.
Conductor Material	SPC - Silver Plated Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	TFE - Tetrafluoroethylene
Insulation Diameter	.062 in.

OUTER SHIELD:

Outer Shield Type	Tape/Braid
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Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1		Tape	Copper Foil	100
2		Braid	Tin-Filled Composite	100

Outer Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	Unjacketed
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.087 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
UL Temperature Rating	105°C
Non-UL Temperature Rating	200°C
Bulk Cable Weight	11.7 lbs/1000 ft.
Max. Recommended Pulling Tension	20 lbs.
Min. Bend Radius (Install)	0.125 in.

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Min. Bend Radius (Continuous Flexing)	0.375 in.
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

AWM Specification	UL Style 10245
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005

FLAME TEST:

Other Flame Test	Horizontal Wire
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SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.109 μ H/ft
Nom. Capacitance Conductor to Shield	19.5 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.46 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	11.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	10 Ohms/1000 ft

Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		10	1000	25

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Power Rating (W)
	1			520
	10			295
	50			195
	100			160
	200			140
	400			130
	700			127
	1000			125

Max. Operating Voltage - UL 30 V RMS

Max. Operating Voltage - Non-UL 900 V RMS

NOTES:

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.

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