

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

For more Information
please call

1-800-Belden1

**General Description:**

29 AWG solid .011" silver-coated copper-covered steel conductor, TFE Teflon® insulation, copper-tin composite shield (100% coverage), PVC jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	29	Solid	SCCCS - Silver-coated Copper-covered Steel	0.28956

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.5748

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
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 3.226 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +105°C
UL Temperature Rating:	105°C
Non-UL Temperature Rating:	105°C
Bulk Cable Weight:	23.811 Kg/Km
Max. Recommended Pulling Tension:	88.964 N
Min. Bend/Installation:	3.175 mm
Min. Flexing Radius:	0.953 cm

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

AWM Specification:	UL Style 10245
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes

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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

Other Flame Test:	Horizontal Wire
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/m)

0.357629

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

63.9795

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/m)

4.79026

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

672.605

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

32.81

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
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1	5.2496
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10	5.9058
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50	13.4521
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100	21.3265
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200	29.529
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400	41.9968
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700	59.058
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1000	72.5101
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Nom. Power Rating:

Freq. (MHz)	Rating (W)
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1	520
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10	295
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50	195
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100	160
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METRIC MEASUREMENT VERSION

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200	140
400	130
700	127
1000	125

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)

Notes (Overall)

Notes: 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
1672J 0101000	1,000 FT	17.000 LB	BLACK	V	#29 TFE BRD TINNED COAX PVC
1672J 010500	500 FT	9.500 LB	BLACK	E	#29 TFE BRD TINNED COAX PVC
1672J 368500	500 FT	9.500 LB	CLEAR, TRANSPARENT	C E	#29 TFE BRD TINNED COAX PVC

Notes:

C = CRATE REEL PUT-UP.

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

V = 250' PUT-UP EXACT LENGTH MAXIMUM OF 3 PIECES MINIMUM LENGTH 50' 500' PUT-UP EXACT LENGTH MAXIMUM OF 5 PIECES MINIMUM LENGTH 50'

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