

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



For more Information  
please call

1-800-Belden1

**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. (in.)
1	29	Solid	SCCCS - Silver-coated Copper-covered Steel	.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
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.127 in.

**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: 16 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: No

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 &amp; Cable): Yes

MII 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)

205.0

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

10

**Nom. Attenuation:**

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

1	1.6
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)

## 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.

## Related Documents:

No related documents are available for this product

## 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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