



## 1672J

Part Number: 1672J

75 Ohm High-Frequency Cable Conformable Coax Cable

### Product Description

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

### Product Specifications

#### Conductor

Total Number of Conductors:	1
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### Technical Specifications

#### APAC Standard

MII Order #39 (China RoHS):	Yes
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#### Bend Radius

Min Bend Radius (Overall):	1 in
Min Bend Radius/Installation:	0.125 in
Min Flexing Radius:	0.375 in

#### CCB-Part Number

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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#### CCB-Sub-Part Number

Plenum (Y/N):	No
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### Contact Information

PHONE_NUM:	1-800-Belden1
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## EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## Environmental Characteristics

Operating Temp Range:	-40°C To +105°C
Suitability - Indoor:	Yes

## EU Directive

EU CE Mark:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
UL AWM Style:	UL Style 10245

## Safety

Other Flammability:	Horizontal Wire
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## Temperature Range

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C

## Use

Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	20 lbs

## Impedance:

Nominal Characteristic Impedance
75 Ohm

## Inductance:

Nominal Inductance
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0.109 $\mu\text{H}/\text{ft}$
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**Conductor DCR:**

Nominal Conductor DCR	Nominal Outer Shield DCR
205 Ohm/1000ft	10 Ohm/1000ft

**Power Rating:**

Frequency [MHz]	Nominal Power Rating [W]
1 MHz	520 W
10 MHz	295 W
50 MHz	195 W
100 MHz	160 W
200 MHz	140 W
400 MHz	130 W
700 MHz	127 W
1,000 MHz	125 W

**Delay:**

Nominal Delay	Nominal Velocity of Propagation (VP)
1.46 ns/ft	69.5 %

**Voltage:**

Non-UL Voltage Rating	UL Voltage Rating
900V RMS	30V RMS

**High Freq:**

Min. SRL (Structural Return Loss)
25 dB

**Capacitance:**

Nominal Capacitance Conductor to Shield
19.5 pF/ft

**High Frequency (Nominal/Typical):**

Frequency (MHz)	Nom. Insertion Loss
1 MHz	1.6 db/100ft
10 MHz	1.8 db/100ft
50 MHz	4.1 db/100ft
100 MHz	6.5 db/100ft
200 MHz	9 db/100ft
400 MHz	12.8 db/100ft
700 MHz	18 db/100ft
1000 MHz	22.1 db/100ft

#### Insulation:

Material	Material Trade Name	Nominal Diameter
TFE - Tetrafluoroethylene	Teflon®	0.062 in

#### Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.127 in

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
29	Solid	SCCCS - Silver-coated Copper-covered Steel	0.0114 in	1

#### Outershield 1:

Type	Layer	Material	Coverage
Tape	1	Copper Foil	100 %
Braid	2	Tin-Filled Composite	100 %

### Product Variants

Part Number	Color	Put-Up Type	Length
1672J 0101000	BLACK	Reel	1000 ft
1672J 010500	BLACK	Reel	500 ft
1672J 368500	CLEAR, TRANSPARENT	Reel	500 ft

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