

## 1672A 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), unjacketed.

### 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
Unjacketed

#### Overall Cable

Overall Nominal Diameter: 2.210 mm

### 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: 17.412 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: Yes

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

METRIC MEASUREMENT VERSION

## 1672A Coax - 75 Ohm High-Frequency Cable Conformable® Coax Cable

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

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

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & 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/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)

1	5.2496
10	5.9058
50	13.4521
100	21.3265
200	29.529
400	41.9968
700	59.058
1000	72.5101

### Nom. Power Rating:

Freq. (MHz) Rating (W)

1	520
10	295
50	195
100	160

## METRIC MEASUREMENT VERSION

### 1672A Coax - 75 Ohm High-Frequency Cable Conformable® Coax Cable

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
1672A TIN1000	1,000 FT	14.000 LB	TIN - COLOR	V	#29 TFE SH TINNED COAX
1672A TIN500	500 FT	6.500 LB	TIN - COLOR	V	#29 TFE SH TINNED COAX

#### Notes:

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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