

1672A

Part Number: 1672A

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), unjacketed.

Product Specifications

Conductor

Total Number of Conductors:	1
-----------------------------	---

Technical Specifications

APAC Standard

MIL Order #39 (China RoHS):	Yes
-----------------------------	-----

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.
--------	---

CCB-Sub-Part Number

Plenum (Y/N):	No
---------------	----

Contact Information

PHONE_NUM:	1-800-Belden1
------------	---------------

EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
--------------------------	-------------------------------

Environmental Characteristics

Operating Temp Range:	-70°C To +200°C
-----------------------	-----------------

Suitability - Indoor:	Yes
-----------------------	-----

EU Directive

EU CE Mark:	Yes
-------------	-----

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
---------------------	-----------------

Temperature Range

Non-UL Temp Rating:	200°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

0.109 μ H/ft

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
Unjacketed	0.087 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
1672A TIN1000	TIN	Reel	1000 ft
1672A TIN500	TIN	Reel	500 ft

All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an 'AS IS' basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.