



Product: [1672A](#) 

Conformable Coax, 75 Ohm, 29 AWG Solid SCCS, Copper-Tin Composite Shield, Unjacketed

Product Description

Conformable Coax, 75 Ohm, 29 AWG Solid Silvered Copper Covered Steel Conductor, PTFE Insulation, Copper Tape + 100% Tin-Filled Composite Braid Shield , Unjacketed

Technical Specifications

Product Overview

Suitable Applications:	Microwave and other high frequency applications, Interconnect RF equipment, Radar equipment, Military communications
------------------------	--

Construction Details

Conductor

AWG	Stranding	Nom. Diameter	Material
29	Solid	0.0114 in	SCCS - Silvered Copper Covered Steel

Insulation

Material	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.062 in

Outer Shield

Layer	Outer Shield Type	Material	Coverage	Notes
1	Tape	Bare Copper (BC)	100%	
2	Braid	Tinned Copper (TC + Tin Filled)	100%	Diameter: 0.085 inch

Electrical Characteristics

Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
10 - 1000 MHz	25 dB

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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

Power Rating

Frequency [MHz]	Max. 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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity
205 Ohm/1000ft	10 Ohm/1000ft	19.5 pF/ft	75 Ohm	70%

Voltage

UL Voltage Rating	Non-UL Voltage Rating
30 V (UL AWM Style 10245)	900 V

Mechanical Characteristics

Temperature

UL Rating	Operating
105°C	-70°C to +200°C

Bend Radius

Installation Min.
0.125 in

Bulk Cable Weight:	11.7 lbs/1000ft
Max. Pull Tension:	20 lbs

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL 1581 Horizontal Wire
AWM Compliance:	10245
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.350 Revision Date: 05-26-2021
----------------------	--

© 2021 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.