



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
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Construction Details

Conductor

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

Insulation

Material	Nom. Insulation Diameter	Color Code
PTFE - Polytetrafluoroethylene	0.062 in (1.6 mm)	White

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

Outer Jacket

Material
No Jacket

Overall Cable Diameter (Nominal):	0.087 in (2.2 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
10 - 1000 MHz	25 dB

Attenuation

Frequency	Nom. Attenuation
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	Max. Power Rating
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 of Prop.
205 Ohm/1000ft	10 Ohm/1000ft (33 Ohm/km)	19.5 pF/ft (64.0 pF/m)	75 Ohm	70%

Voltage

UL Voltage Rating	Voltage Rating
30 V (UL AWM Style 10245)	1500 V

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min.
0.125 in (3.18 mm)

Max. Pull Tension:	20 lbs (9.1 kg)
Bulk Cable Weight:	12 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1581 Horizontal Wire
AWM Compliance:	AWM 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: 0.470 Revision Date: 04-29-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1672A TIN500	Tin	Reel	500 ft	612825120353	V
1672A TIN1000	Tin	Reel	1,000 ft	612825120346	V

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