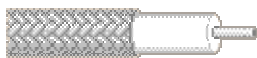


RG-405/U 1671A**Coax - 50 Ohm Microwave Cable**

RG-405/U type, 24 AWG solid .020" silver-plated copper-covered steel conductor, TFE Teflon® insulation, copper-tin composite shield (100% coverage), unjacketed.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1671A TIN1000	305 MT	5.443 KG	TIN - COLOR V		#24 TFE BRD TINNED COAX

Notes:

V = 250' PUT-UP EXACT LENGTH MAXIMUM OF 3 PIECESMINIMUM LENGTH 50'500' PUT-UP EXACT LENGTH MAXIMUM OF 5 PIECESMINIMUM LENGTH 50'

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	24	Solid	SPCCS - Silver Plated Copper Covered Steel	0.508

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 Cabling

Overall Nominal Diameter: 2.159 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C (UL AWM Style 10245)

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 17.710 Kg/Km

<http://www.vdom.com.cn>

E-mail: sales@vdom.com.cn

TEL: 8610-6800 5160

Max. Recommended Pulling Tension: 115.653 N

Min. Bend Radius (Install)/Minor Axis: 3.048 mm

Min. Bend Radius (Continuous Flexing): 9.398 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification: UL Style 10245 (30 V 105°C)

EU CE Mark: Yes

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

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

RG Type: 405/U

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)

50

Nom. Inductance:

Inductance (μH/m)

0.22967

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

96.7895

Nominal Velocity of Propagation:

VP (%)

69.5

Nominal Delay:

Delay (ns/m)

4.79026

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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

210.64

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

33.4662

Maximum VSWR:

Freq. (MHz)	Max. VSWR
500	1.1:1
20000	1.3:1

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
500	49.215
1000	72.8382
2000	107.617
3000	135.177
5000	180.127
7000	217.858
10000	266.417
15000	334.662
18000	370.753
20000	393.72

Max. Power Rating:

Freq. (MHz)	Rating (W)
500	180
1000	119
2000	79
3000	62
5000	46
7000	37
10000	30
15000	24
18000	21
20000	20

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 10245)

Max. Operating Voltage - Non-UL:

Voltage	
1500 V RMS	

Other Electrical Characteristic 1: Shield effectiveness values are typical/nominal values.

Shield Effectiveness:

Freq. (MHz)	Effectiveness (dB)
9000.000	120.000

Misc. Information (Overall)**Notes (Overall)**

Notes: US Patents 4, 694, 122 & 5, 293, 001. Patent held in the U.S., Singapore, Australia, Germany, France, and England. Patent pending in Japan. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Revision Number: 4 Revision Date: 02-23-2009

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