### **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**





For more Information please call

1-800-Belden1



# BELDEN Shidhir All He Right SGRALS

### **General Description:**

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

### **Physical Characteristics (Overall)**

### Conductor

#### AWG:

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

Total Number of Conductors:

### Insulation

### **Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.5748

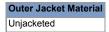
### **Outer Shield**

### **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:**



### **Overall Cable**

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:	16.370 Kg/Km		
Max. Recommended Pulling Tension:	115.653 N		
Min. Bend/Installation:	3.175 mm		
Min. Flexing Radius:	0.953 cm		

### **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

UL Style 10245 (30 V 105°C)		
Yes		
Yes		
Yes		

Page 1 of 3 11-08-2019

## **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



### 1671B Coax - 50 Ohm Microwave Cables

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)**

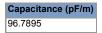
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



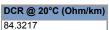
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**Nominal Outer Shield DC Resistance:** 



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

Page 2 of 3 11-08-2019

### **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



### 1671B Coax - 50 Ohm Microwave Cables

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

### 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
1671B TIN500	500 FT	6.500 LB	TIN - COLOR	E	#24 TFE CU FS BRD TINNED COAX

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

Revision Number: 5 Revision Date: 01-15-2014

© 2019 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 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 2014/35/EU).