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please call

1-800-Belden1



### General Description:

RG-401/U type, 14 AWG solid .065" 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	14	Solid	SPC - Silver Plated Copper	1.651

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	5.334

#### 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 Cable

Overall Nominal Diameter: 6.248 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 120.544 Kg/Km

Max. Recommended Pulling Tension: 542.680 N

Min. Bend/Installation: 9.525 mm

Min. Flexing Radius: 2.858 cm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

AWM Specification: UL Style 10245

EU Directive 2011/65/EU (ROHS II): Yes

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:	401/U

### Flame Test

Other Flame Test:	Horizontal Wire
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

50

### Nom. Inductance:

#### Inductance (µH/m)

0.22967

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

97.1176

### Nominal Velocity of Propagation:

#### VP (%)

69.5

### Nominal Delay:

#### Delay (ns/m)

4.79026

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

8.2025

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/km)

26.248

### Maximum VSWR:

Description	Freq. (MHz)	Max. VSWR
Ramp Function, End Points	400	1.1
	1800	1.38

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
400	12.4678
500	14.4364
1000	22.3108
2000	34.1224
3000	43.9654
5000	60.6985
7000	74.8068
10000	93.1804

METRIC MEASUREMENT VERSION

## 1675A Coax - 50 Ohm Microwave Cable

15000	120.085
18000	134.521

### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
400	16.405
500	18.7017
1000	28.8728
3000	56.7613
5000	78.0878
10000	120.085
18000	173.237

### Nom. Power Rating:

Freq. (MHz)	Rating (W)
400	1900
500	1665
1000	1105
2000	733
3000	577
5000	427
7000	350
10000	283
15000	223
18000	200

### Max. Operating Voltage - UL:

Voltage
30 V RMS

### Max. Operating Voltage - Non-UL:

Voltage
2900 V RMS

## 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
1675A TIN100	100 FT	8.400 LB	TIN - COLOR	E	#14 TFE CU FS BRD TINNED COAX
1675A TIN500	500 FT	42.000 LB	TIN - COLOR	C E	#14 TFE CU FS BRD TINNED COAX

### Notes:

C = CRATE REEL PUT-UP.

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

Revision Number: 4    Revision Date: 01-15-2014

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## 1675A Coax - 50 Ohm Microwave Cable

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).