

1675J Coax - Conformable® Coax

Obsolete
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1-800-BELDEN1

For more Information
 please call

1-800-Belden1

Description:

RG-401 Type 50 ohm coax, 14 AWG solid .065" silver-plated copper, TFE core, copper-tin composite shield 100% coverage, PVC jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	SPC - Silver Plated Copper	.065

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.210

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
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 0.286 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

UL Temperature Rating: 105°C

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 90 lbs/1000 ft.

Max. Recommended Pulling Tension: 122 lbs.

Min. Bend Radius (Install)/Minor Axis: 0.370 in.

Min. Bend Radius (Continuous Flexing): 1.120 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

AWM Specification: UL Style 10245

RG Type: 401/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/ft)
0.070

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
29.6

Nominal Velocity of Propagation:

VP (%)
69.5

Nominal Delay:

Delay (ns/ft)
1.46

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8

Maximum VSWR:

Description	Freq. (MHz)	Max. VSWR
Ramp Function, End Points	400	1.1
	18000	1.38

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
400	3.8
500	4.4
1000	6.8
2000	10.4
3000	13.4
5000	18.5
7000	22.8
10000	28.4
15000	36.6
18000	41.0

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
400	5.0
500	5.7
1000	8.8
3000	17.3
5000	23.8
10000	36.6
18000	52.8

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
5000 V RMS

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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