**METRIC MEASUREMENT VERSION** 



## 1673J Coax - 50 Ohm Microwave Cable

For more Information please call

1-800-Belden1



# BELDEN SENDING ALL THE RIGHT SIGNALS

## **General Description:**

RG-402/U type, 19 AWG solid .036" silver-plated copper-covered steel conductor, TFE Teflon® Insulation, copper-tin composite shield (100% coverage), PVC jacket.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	19	Solid	SPCCS - Silver Plated Copper Covered Steel	0.9144

Total Number of Conductors:

### Insulation

#### **Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	2.9464

#### **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 Cable**

Overall Nominal Diameter: 4.521 mm

## **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:	47.622 Kg/Km
Max. Recommended Pulling Tension:	311.374 N
Min. Bend/Installation:	6.350 mm
Min. Flexing Radius:	1.905 cm

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

## **Applicable Standards & Environmental Programs**

UL Style 10245
Yes
No
Yes

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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:	402/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)**

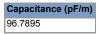
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**Nominal Outer Shield DC Resistance:** 



## Maximum VSWR:

Description	Freq. (MHz)	Max. VSWR
Ramp Function, End Points	500	1.1
	20000	1.3

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
500	26.248
1000	39.372
2000	59.3861
3000	75.1349
5000	101.711
7000	124.022
10000	152.895
15000	193.907

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18000	215.89		
20000	229.67		

#### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
500	31.1695
1000	47.5745
3000	86.9465
5000	118.116
10000	177.174
20000	275.604

#### Nom. Power Rating:

Freq. (MHz)	Rating (W)
500	600
1000	401
2000	268
3000	211
5000	157
7000	129
10000	105
15000	83
18000	74
20000	70

## Max. Operating Voltage - UL:

Voltage 30 V RMS

## Max. Operating Voltage - Non-UL:

Voltage 1900 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
1673J 010100	100 FT	5.100 LB	BLACK	С	#19 TFE BRD TINNED COAX PVC
1673J 010500	500 FT	16.500 LB	BLACK	CV	#19 TFE BRD TINNED COAX PVC

#### Notes:

C = CRATE REEL PUT-UP

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

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

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determining the applicability of legislation and regulations based on their individual usage of the product.

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