**METRIC MEASUREMENT VERSION** 



## 1673J Coax - 50 Ohm Microwave Cable

For more Information please call

1-800-Belden1



## **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	1	19	Solid	SPCCS - Silver Plated Copper Covered Steel	0.9144

#### 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	Таре	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: 4.521 mm

Mechanical Characteristics (Overall)					
-40°C To +105°C					
105°C					
105°C					
29.764 Kg/Km					
311.374 N					
6.350 mm					
19.050 mm					
-					

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

## **Applicable Standards & Environmental Programs**

AWM Specification:	UL Style 10245
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005

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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
Other Flame Test: Suitability	Horizontal Wire
	Horizontal Wire Yes
Suitability	
Suitability Suitability - Indoor:	Yes
Suitability Suitability - Indoor: Suitability - Outdoor:	Yes

## **Electrical Characteristics (Overall)**

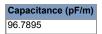
## Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
67.2605

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
18000	215.89
20000	229.67

Max. Attenuation:

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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: 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.

#### **Related Documents:**

No related documents are available for this product

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1673J 010100	30 MT	2.313 KG	BLACK	С	#19 TFE BRD TINNED COAX PVC
1673J 010500	152 MT	7.484 KG	BLACK	CV	#19 TFE BRD TINNED COAX PVC

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: 2 Revision Date: 09-30-2009

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

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