Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1671J Coax - 50 Ohm Microwave Cable

For more Information please call

1-800-Belden1



General Description:

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

Conductor AWG: # Coax AWG Stranding Conductor Material Dia. (mm) 1 24 Solid SPCCS - Silver Platted Copper Covered Steel 0.508 Total Number of Conductors: 1 Insulation Insulation Material: Insulation Material Insulation Material: Insulation Trade Name Insulation Material Discover Discover Veter Shield Material: Insulation Trade Name Insulation Material Layer Shield Material: Insulation Trade Name Insulation Material Outer Shield Material: Insulation Trade Name Insulation Material Outer Shield Material: Insulation Trade Name Insulation Material Outer Jacket Outer Jacket Outer Jacket Outer Jacket Outer Jacket Outer Jacket Overall Cable Overall Coverall Overall Characteristics (Overall) Operating Temperature Range: Operating Temperature Range: 40°C To +105°C UL Temperature Rating: 105°C (UL AVM Style 10245) Non-UL Temperature Rating: 105°C (UL AVM Style 10245) Min. Bend/Installation: 3.175 mm Min. Bend/Installation: 0.9833 cm Applicable Speci	Physical Characteristics (Overall)					
# Coax AWG Stranding Conductor Material Dis. (mm) 1 24 Gend Cooper Covered Steel 0.508 Total Number of Conductors: 1 Insulation Material: Insulation Material: Insulation Trade Name Insulation Material Dis. (mm) Telenon® TFE - Tetraflucroethylene Outer Shield Outer Shield Material: Layer # Type Outer Shield Material Coverage (%) 1 Telenon® 2 Braid Tin-Filled Cooperage (%) 1 Stranding 2 Braid Tin-Filled Coverage (%) 1 Stranding Proc - Polyumy Chicrote Overall Nominal Dameter: 3.226 mm Overall Cable Coverall Nominal Dameter: Overall Cable Voreal Nominal Dameter: Overall Cable U Overall Robinal Dameter: 3.226 mm Mechanical Characteristics (Overall) Operating Temperature Range: Overall Cable U Non-UL Temperature Rating: 105°C (UL AVWM Style 10245) Non-UL Temperature Rating: 105°C (UL AVMM Style 10245)						
1 24 Solid SPCCS - Silver Plated Copper Covered Steel 0.508 Total Number of Conductors: 1 Insulation Insulation Material: Insulation Trade Name Insulation Material Dia. (mm) Tetors® TFE - Tetrafluoroefinylene 1.5748 Outer Shield Material: Imperiation Coverage (%) 2 Braid Time-Filted Composite Outer Jackot Tetre - Tetrafluoroefinylene 1.5748 Outer Jackot Material: Imperiation State Material Outer Jackot Material: Imperiation State Material Overall Cable Overall Cohone Overall Chanacteristics (Overall) Operating Temperature Rating: Operating Temperature Rating: 105°C UL Temperature Rating: 105°C Buik Cable Weight: 23.811 Kg/Km Max. Recommended Pulling Tension: 115.653 N Min. Bend/Installation: 3.175 mm Min. Flexing Radius: 0.963 cm Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs AWM Specification: UL Style 10245 (30 V 105°C) EU CE Mark: No						
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	EU Directive 2011/65/EU (ROHS II):	Yes				
EU Directive 2000/53/EC (ELV): Yes	EU CE Mark:	No				
	EU Directive 2000/53/EC (ELV):	Yes				

Detailed Specifications & Technical Data





1671J Coax - 50 Ohm Microwave Cable

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
Inductance (μH/m) 0.22967 Nom. Capacitance Conductor to Shield: Capacitance (pF/m) 96.7895 Nominal Velocity of Propagation:	
VP (%) 69.5	
Nominal Delay: Delay (ns/m) 4.79026	
Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 210.64 Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/km) 33.4662	

33.4662

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

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METRIC MEASUREMENT VERSION

1671J Coax - 50 Ohm Microwave Cable

18000	370.753
20000	393.72

Max. Power Rating:

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
1671J 010100	30 MT	1.089 KG	BLACK		#24 TFE BRD TINNED COAX PVC
1671J 0101000	305 MT	7.711 KG	BLACK	V	#24 TFE BRD TINNED COAX PVC
1671J 010500	152 MT	4.309 KG	BLACK	V	#24 TFE BRD TINNED COAX PVC

Notes:

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: 5 Revision Date: 01-15-2014

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