Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1672J Coax - 75 Ohm High-Frequency Cable Conformable Coax Cable

For more Information please call

1-800-Belden1



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General Description:

29 AWG solid .011" silver-coated 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	29	Solid	SCCCS - Silver-coated Copper-covered Steel	0.28956

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.5748

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: 3.226 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:	23.811 Kg/Km
Max. Recommended Pulling Tension:	88.964 N
Min. Bend/Installation:	3.175 mm
Min. Flexing Radius:	0.953 cm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

UL Style 10245
Yes
No
Yes

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data





1672J Coax - 75 Ohm High-Frequency Cable Conformable Coax 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
Flame Test	
Other Flame Test:	Horizontal Wire
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

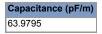
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:

VP (%) 69.5

Nominal Delay:

Delay (ns/m) 4.79026

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 672.605

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 32.81

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	5.2496
10	5.9058
50	13.4521
100	21.3265
200	29.529
400	41.9968
700	59.058
1000	72.5101

Nom. Power Rating:

Freq. (MHz)	Rating (W)
1	520
10	295
50	195
100	160

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

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1672J Coax - 75 Ohm High-Frequency Cable Conformable Coax Cable

200	140
400	130
700	127
1000	125

Max. Operating Voltage - UL:

30 V RMS

Max. Operating Voltage - Non-UL:

Voltage 900 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		10	1000	25

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
1672J 0101000	1,000 FT	17.000 LB	BLACK	V	#29 TFE BRD TINNED COAX PVC
1672J 010500	500 FT	9.500 LB	BLACK	E	#29 TFE BRD TINNED COAX PVC
1672J 368500	500 FT	9.500 LB	CLEAR, TRANSPARENT	CE	#29 TFE BRD TINNED COAX PVC

Notes:

C = CRATE REEL PUT-UP

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

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: 6 Revision Date: 01-15-2014

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