Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9221 Coax - 75 Ohm Miniature Coax

For more Information please call

1-800-Belden1



General Description:

30 AWG stranded (7x38) .012" tinned copper conductor, foam HDPE insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

	# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
ı	1	30	7x38	TC - Tinned Copper	0.3048

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.4732

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 2.464 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1375)
Bulk Cable Weight:	8.929 Kg/Km
Max. Recommended Pulling Tension:	62.275 N
Min. Bend Radius/Minor Axis:	6.350 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1375 (30 V 60°C)		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU CE Mark:	Yes		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004		
EU Directive 2002/96/EC (WEEE):	Yes		

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data





9221 Coax - 75 Ohm Miniature Coax

EU Directive 2003/11/EC (BFR):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
MII Order #39 (China RoHS):	Yes	
Suitability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



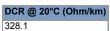
Nominal Velocity of Propagation:



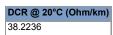
Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
900.000	81.369
9.000	6.890
700.000	70.542
70.000	20.014
7.000	6.234
50.000	16.733
5.000	5.250
400.000	50.856
3.600	4.265
200.000	34.451
1000.000	87.275
100.000	23.951
10.000	7.218
1.000	2.297

Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1375)

Put Ups and Colors:

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9221 010U500	500 FT	4.000 LB	BLACK		75 OHM MINIATURE COAX
9221 010100	100 FT	1.400 LB	BLACK		75 OHM MINIATURE COAX
9221 010500	500 FT	4.000 LB	BLACK		75 OHM MINIATURE COAX

Revision Number: 1 Revision Date: 10-04-2012

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Page 3 of 3 11-08-2019