Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9221 Coax - 75 Ohm Miniature Coax

For more Information please call

1-800-Belden1



General Description:

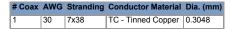
30 AWG stranded (7x38) .012" tinned copper conductor, foam HDPE insulation, tinned copper braid shield (90% coverage), PVC jacket.

1

Physical Characteristics (Overall)

Conductor

AWG:



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		
	EU Directive 2003/11/EC (BFR):	Yes		
	CA Prop 65 (CJ for Wire & Cable):	Yes		
	MII Order #39 (China RoHS):	Yes		
Su	itability			
	Suitability - Indoor:	Yes		
	Suitability - Outdoor:	Yes		

Page 1 of 2 01-09-2015

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Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/m) 0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 56.7613

Nominal Velocity of Propagation:

VP (%)

Nominal Delay:

Delay (ns/m) 4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 328.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 38.2236

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	2.2967
3.6	4.2653
5	5.2496
7	6.2339
9	6.8901
10	7.2182
50	16.7331
70	20.0141
100	23.9513
200	34.4505
400	50.8555
700	70.5415
900	81.3688
1000	87.2746

Max. Operating Voltage - UL:

30 V RMS (UL AWM Style 1375)

Put Ups and Colors:

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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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Page 2 of 2