

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. (in.)
1	30	7x38	TC - Tinned Copper	.012

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.058

#### 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: 0.097 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1375)
Bulk Cable Weight:	6 lbs/1000 ft.
Max. Recommended Pulling Tension:	14 lbs.
Min. Bend Radius/Minor Axis:	0.250 in.

### 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
MIL 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:

Inductance (µH/ft)  
.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
17.3

Nominal Velocity of Propagation:

VP (%)  
78

Nominal Delay:

Delay (ns/ft)  
1.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
100

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
11.65

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.7
3.6	1.3
5	1.6
7	1.9
9	2.1
10	2.2
50	5.1
70	6.1
100	7.3
200	10.5
400	15.5
700	21.5
900	24.8
1000	26.6

Max. Operating Voltage - UL:

Voltage  
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

© 2015 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the 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.