

Part Number: 9221

Analog Video, #30 Str TC, 90% TC Braid, PVC Jacket



Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.012 in	1
Total Number of Conductors:			1	

Insulation:

Material	Nominal Diameter
FHDPE - Foam High Density Polyethylene	0.058 in

Outershield 1:

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	90 %

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.097 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
100 Ohm/1000ft	11.65 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.7 db/100ft
3.6 MHz	1.3 db/100ft
5 MHz	1.6 db/100ft
7 MHz	1.9 db/100ft
9 MHz	2.1 db/100ft
10 MHz	2.2 db/100ft
50 MHz	5.1 db/100ft
70 MHz	6.1 db/100ft
100 MHz	7.3 db/100ft
200 MHz	10.5 db/100ft
400 MHz	15.5 db/100ft
700 MHz	21.5 db/100ft
900 MHz	24.8 db/100ft
1000 MHz	26.6 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

Inductance:

Nominal Inductance
0.097 μ H/ft

Voltage:

UL Voltage Rating
30V RMS (UL AWM Style 1375)

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	14 lbs

Safety

Temperature Range

Operating Temp Range:	-40°C To +60°C
UL Temp Rating:	60°C (UL AWM Style 1375)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	0.25 in
-----------------------------	---------

Part Number

Plenum (Y/N):	No
---------------	----

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
UL AWM Style:	UL Style 1375 (30 V 60°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Product Variants

Part Number	Color	Put-Up Type	Length
9221 010100	BLACK	Reel	100 ft
9221 010500	BLACK	Reel	500 ft
9221 010U500	BLACK	UnReel	500 ft

© 2016 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.