

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.

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
----------------------	----------------

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	Stranded	TC - Tinned Copper	0.012 in	1

Conductor Count:	1
Conductor Size:	30 AWG

Insulation

Material	Nominal Diameter
FHDPE - Foamed High Density Polyethylene	0.058 in

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.097 in

Electrical Characteristics

Conductor DCR

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

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Shielding:	Braid(s)
------------	----------

Inductance

Nominal Inductance
0.097 μ H/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 %

Voltage

UL Voltage Rating
30 V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
Max Recommended Pulling Tension:	14 lbs
Min Bend Radius/Minor Axis:	0.25 in

Standards

UL AWM Style:	UL Style 1375 (30 V 60°C)
CPR Euroclass:	Eca
RG Type:	Ultra-miniature 59/U Type
RG / Series Type:	Ultra-miniature 59/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	30 V RMS
--------------------	----------

Plenum/Non-Plenum

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

Part Number

Variants

Item #	Color
9221 010100	Black
9221 010500	Black
9221 010U500	Black

© 2018 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.