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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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
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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)
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Inductance

Nominal Inductance
0.097 μ H/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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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
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

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