

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

Total Number of Conductors:	1
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Insulation

Material	Nominal Diameter
FHDPE - Foam 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

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Shielding:	Braid(s)
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Construction and Dimensions

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

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 %

Inductance

Nominal Inductance
0.097 µH/ft

Voltage

UL Voltage Rating
30 V RMS

Applicable Standards & Environmental 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
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

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

Safety

UL Voltage Rating:	30V RMS
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Mechanical Characteristics

Operating Temp Range:	-40°C To +60°C
Bulk Cable Weight:	6(lbs/1000ft)
Max Recommended Pulling Tension:	14(lbs)
Min Bend Radius/Minor Axis:	0.25(in)

Temperature Range

UL Temp Rating:	60°C
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Plenum/Non-Plenum

Plenum (Y/N):	No
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