

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	
Phys	Physical Characteristics (Overall)				
Condu	Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax	
30	Stranded	TC - Tinned Copper	0.012 in	1	
Conductor Count:		1			
AWG Size:		30			
Insulat	nsulation				
Material Nominal Diameter					
FHDPE - Foamed High Density Polyethylene 0.058 in			lene 0.058 in		
	Outer Oblide Metadal				

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

No	minal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
100 0	Ohm/1000ft	100 Ohm/1000ft	11.65 Ohm/1000ft	11.65 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Inductance



Impedance



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 RG-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

Part Number

Plenum (Y/N):	No	

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