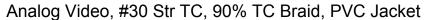


Part Number: 9221





## **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**

- 1000	TOUGHT OVERVIEW					
Enviro	nmental Spa	ace:			Indoor/Outdoor	
Physi	Physical Characteristics (Overall)					
Condu	Conductor					
AWG	Stranding	Material	Nominal Diameter	No. of Coax		
30	Stranded	TC - Tinned Copper	0.012 in	1		
Condu	Conductor Count:			1		
Condu	Conductor Size:		30 AWG			
Insulat	Insulation					
		Material	Nominal Diam	eter		
FHDP	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

#### Inductance

Nominal Inductance

## 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

## **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

1	Planum (V/N):	• •	
	Plenum (Y/N):	No	

#### **Part Number**

#### Variants

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

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