

**Product: 9252** ☑



50 Ohm, 22 AWG Stranded TC, TC Braid, Non-contaminating PVC Jacket, Commercial Non-QPL Product.

# **Product Description**

RG-122/U, 22 AWG stranded (27x36) .030" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket, commercial non-QPL product.

## **Technical Specifications**

## **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material Nominal Diameter No. of Coax 22 Stranded TC - Tinned Copper 0.03 in 1 Conductor Count: 1 Insulation Material Nominal Diameter PE - Polyethylene 0.096 in Outer Shield Type Layer Material Coverage [%] Braid 1 Tinned Copper (TC) 95%

# Outer Jacket

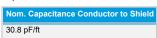
Material	Nominal Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.16 in

# **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
17.1 Ohm/1000ft	17.1 Ohm/1000ft	5.2 Ohm/1000ft	5.2 Ohm/1000ft

### Capacitance



### Inductance

Nominal Inductance

# Impedance

Nominal Characteristic Impedance
50 Ohm

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 dB/100ft
10 MHz	1.7 dB/100ft

50 MHz	4.5 dB/100ft
100 MHz	7 dB/100ft
200 MHz	11 dB/100ft
400 MHz	16.5 dB/100ft
700 MHz	23.5 dB/100ft
900 MHz	27.3 dB/100ft
1000 MHz	29 dB/100ft

### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66%

## Voltage

Description	Non-UL Voltage Rating	UL Voltage Rating	Voltage Rating [V]
1400 V RMS	1400 V RMS (Mil-Spec)	300 V RMS (CMX)	30V RMS (UL AWM Stype 1354)
		30 V RMS (UL AWM Style 1354)	

# **Temperature Range**

U	L Temp Rating:	60°C
С	perating Temperature Range:	-40°C To +60°C

# **Mechanical Characteristics**

UV Resistance:	Yes - Black only
Bulk Cable Weight:	18 lbs/1000ft
Max. Pull Tension:	38 lbs
Min. Bend Radius/Minor Axis:	1.75 in

# Standards

NEC/(UL) Compliance:	CMX
CEC/C(UL) Compliance:	CMX
UL AWM Style Compliance:	AWM 1354 (30 V 60°C)
CPR Euroclass:	Eca
RG Type:	122
Military Compliance:	Commercial, non-QPL product (M17/157-00001)
Qualified Products List (QPL):	No

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

# Flammability, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS (CMX)

# Plenum/Non-Plenum

Plenum (Y/N):	No

### **Related Part Numbers**

### Variants

Item #	Color	Put-Up Type	Length	UPC
9252 0101000	Black	Reel	1,000 ft	612825225799

### History

Update and Revision:	Revision Number: 0.437 Revision Date: 12-19-2022

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