

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
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Insulation

Material	Nominal Diameter
PE - Polyethylene	0.096 in

Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Tinned Copper (TC)	95%

Outer Jacket Material

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

Nom. Capacitance Conductor to Shield
30.8 pF/ft

Inductance

Nominal Inductance
0.077 μ H/ft

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

UL Temp Rating:	60°C
Operating Temp 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:	UL Style 1354 (30 V 60°C)
RG Type:	122/U Type
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 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):	2005-10-01
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)
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9252 0101000	Black	Reel	1,000 ft	612825225799

History

Update and Revision:	Revision Number: 0.304 Revision Date: 09-30-2020
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