

Product: [8254](#) 

93Ω RG-62/U Type, #22 Sol BCCS, Semi-solid PE, BC Braid, PVC Jkt



REPRESENTATIVE IMAGE

Product Description

Coax 93Ω RG-62/U Type, 22 AWG solid bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Computer, Instrumentation
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Construction Details

RG Type:	62
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Conductor

Size	Stranding	Nom. Diameter	Material
22 AWG	Solid	0.025 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Notes
PE - Polyethylene (Semi-Solid)	0.146 in (3.71 mm)	Solid PE monofilament spiral around conductor. Solid PE tube over monofilament

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.238 in (6.05 mm)

Overall Cable Diameter (Nominal):	0.238 in (6.05 mm)
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Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.25 dB/100ft
10 MHz	0.85 dB/100ft
50 MHz	1.90 dB/100ft
100 MHz	2.70 dB/100ft
200 MHz	3.80 dB/100ft
400 MHz	5.30 dB/100ft
700 MHz	7.30 dB/100ft
900 MHz	8.20 dB/100ft
1000 MHz	8.70 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
55.0 Ohm/1000ft (180 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	13.5 pF/ft (44.3 pF/m)	93 Ohm	84%

Voltage

Voltage Rating
750 V

Mechanical Characteristics

Temperature

Operating
-40°C to +75°C

Bend Radius

Installation Min.
2.4 in

Max. Pull Tension:	70 lbs (32 kg)
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance
Sustainability:	CA Prop 65
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.294 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
8254 010500	Black	Reel	500 ft	612825197300
8254 0101000	Black	Reel	1,000 ft	612825197294
8254 010U1000	Black	UnReel	1,000 ft	612825197287
8254 0105000	Black	Reel	5,000 ft	612825197317

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