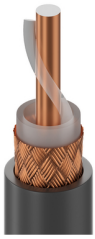




Product: [8254](#)

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



### 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
------------------------	---------------------------

#### Construction Details

RG Type:	62
----------	----

#### Conductor

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

#### Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene (Semi-Solid)	0.146 in (3.71 mm)	White	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)
-----------------------------------	--------------------

#### 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	2.6 Ohm/1000ft (8.5 Ohm/km)	13.5 pF/ft (44.3 pF/m)	93 Ohm	84%

## Voltage

<b>Voltage Rating</b>
750 V

## Mechanical Characteristics

### Temperature

<b>Operating</b>
-40°C to +75°C

### Bend Radius

<b>Installation Min.</b>
2.4 in (61 mm)

Max. Pull Tension:	88 lbs (40 kg)
Bulk Cable Weight:	33 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.480 Revision Date: 06-01-2023
----------------------	--------------------------------------------------

## Part Numbers

### Variants

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

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.