



**Product:** [8255](#)

93Ω RG-62B/U Type, #24 Str BCCS, Semi-solid PE, BC Braid, Non-Contaminating PVC Jkt, CMX

## Product Description

Coax 93Ω RG-62B/U Type, 24 AWG (7x32) bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating 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
24 AWG	Solid	0.024 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 (Non-Contaminating)	0.242 in (6.15 mm)

Overall Cable Diameter (Nominal):	0.242 in (6.15 mm)
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### Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.31 dB/100ft
10 MHz	0.90 dB/100ft
50 MHz	2.00 dB/100ft
100 MHz	2.90 dB/100ft
200 MHz	4.20 dB/100ft
400 MHz	6.10 dB/100ft
700 MHz	8.60 dB/100ft
900 MHz	10.10 dB/100ft
1000 MHz	11.0 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
59.0 Ohm/1000ft	2.9 Ohm/1000ft (9.5 Ohm/km)	13.5 pF/ft (44.3 pF/m)	93 Ohm	84%

## Voltage

UL Voltage Rating	Voltage Rating
300 V (CMX), 30 V (UL AWM 1354)	750 V

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
60°C (UL AWM 1354)	-40°C to +85°C

### Bend Radius

Installation Min.
2.4 in (61 mm)

Max. Pull Tension:	75 lbs (34 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
Flammability / Reaction to Fire:	UL 1581
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMX
AWM Compliance:	AWM 1354
CEC / C(UL) Compliance:	CMX
European Directive Compliance:	EU CE Mark, 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: 0.486 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8255 010500	Black	Reel	500 ft	612825197331	
8255 0101000	Black	Reel	1,000 ft	612825197324	C

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