

8255 Coax - 93 Ohm

For more Information  
please call

1-800-Belden1



## General Description:

93 ohm, RG-62B/U type, 24 AWG stranded (7x32) .024" bare copper-covered steel conductor, semi-solid polyethylene insulation, BC braid shield (95% coverage), non-contaminating PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	24	7x32	BCCS - Bare Copper Covered Steel	0.6096

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
Semi-Solid PE - Semi-Solid Polyethylene	0.660	3.708

### Outer Shield

#### Outer Shield Material:

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

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVCNC - Polyvinyl Chloride Non-Contaminating	0.838

### Overall Cable

Overall Nominal Diameter: 6.147 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 47.622 Kg/Km

Max. Recommended Pulling Tension: 333.615 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMX

CEC/C(UL) Specification: CMX

AWM Specification: UL Style 1354 (30 V 60°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	62B/U

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**

93

### Nom. Inductance:

**Inductance (µH/m)**

0.380596

### Nom. Capacitance Conductor to Shield:

**Capacitance (pF/m)**

44.2935

### Nominal Velocity of Propagation:

**VP (%)**

84

### Nominal Delay:

**Delay (ns/m)**

3.97001

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

193.579

### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**

9.5149

### Nom. Attenuation:

**Freq. (MHz) Attenuation (dB/100m)**

1	0.9843
10	2.9529
50	6.562
100	9.5149
200	13.7802
400	20.0141
700	28.2166
900	33.1381
1000	36.4191

### Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 1354
300 V RMS	CMX

### Max. Operating Voltage - Non-UL:

**Voltage**

750 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8255 0101000	305 MT	16.329 KG	BLACK	C	RG-62B/U TYPE 93OHM COAX
8255 010500	152 MT	8.391 KG	BLACK		RG-62B/U TYPE 93OHM COAX

**Notes:**

C = CRATE REEL PUT-UP.

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