

8254 Coax - 93 Ohm

For more Information  
please call

1-800-Belden1



## General Description:

93 ohm RG-62/U type, JAN-C-17A, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, BC braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	Solid	BCCS - Bare Copper Covered Steel	0.635

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)
PVC - Polyvinyl Chloride	0.787

### Overall Cable

Overall Nominal Diameter: 6.045 mm

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 49.111 Kg/Km

Max. Recommended Pulling Tension: 391.442 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

EU CE Mark: No

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

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

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

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
Military Specification:	JAN-C-17A RG-62/U
RG Type:	62/U

### Plenum/Non-Plenum

Plenum Number:	N
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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)

3.9372

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

135.177

### 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	6.2339
100	8.8587
200	12.4678
400	17.3893
700	23.9513
900	26.9042
1000	28.5447

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

Voltage

750 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8254 010U1000	1,000 FT	35.000 LB	BLACK		RG-62/U JAN-C-17A COAX
8254 0101000	1,000 FT	36.000 LB	BLACK		RG-62/U JAN-C-17A COAX
8254 010500	500 FT	18.000 LB	BLACK	C	RG-62/U JAN-C-17A COAX
8254 0105000	5,000 FT	185.000 LB	BLACK		RG-62/U JAN-C-17A COAX

### Notes:

C = CRATE REEL PUT-UP.

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