



Product: [8255](#) 

93Ω Coax RG-62B/U Type, #24 BCCS, Semi-solid PO, BC Braid, PVC (Non-contam.) Jkt, CMX

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
24	7x32	BCCS - Bare Copper Covered Steel	0.024 in	1
Conductor Count:			1	

Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene (Semi-Solid)	0.146 in	0.026 in

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

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride (Non-Contaminating)	0.242 in	0.033 in

Electrical Characteristics

Conductor DCR		
Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
59 Ohm/1000ft	2.9 Ohm/1000ft	2.9 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Shield	
13.5 pF/ft	

Inductance	
Nominal Inductance	
0.116 μH/ft	

Impedance	
Nominal Characteristic Impedance	
93 Ohm	

High Frequency (Nominal/Typical)	
Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
10 MHz	0.9 dB/100ft

50 MHz	2 dB/100ft
100 MHz	2.9 dB/100ft
200 MHz	4.2 dB/100ft
400 MHz	6.1 dB/100ft
700 MHz	8.6 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	11.1 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
84 ns/100m	1.21 ns/ft	84%

Voltage

Non-UL Voltage Rating	UL Description	UL Voltage Rating	Voltage Rating [V]
750 V RMS	UL AWM Style 1354	30 V RMS	CMX: 300 V RMS
	CMX	300 V RMS	

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	32 lbs/1000ft
Max. Pull Tension:	75 lbs
Min Bend Radius/Minor Axis:	2.5 in

Dimensions (WxHxD)

Height
0.209

Standards

NEC/(UL) Compliance:	CMX
CEC/C(UL) Compliance:	CMX
UL AWM Style Compliance:	1354 (30 V 60°C)
CPR Euroclass:	Eca
RG Type:	62B/U Type

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	30 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.243 Revision Date: 06-24-2020
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