



**Part Number:** 9269

93Ω Coax RG-62A/U Type, #22 BCCS, Semi-solid PO, BC Braid, PVC Jkt, CM

## Product Description

93 Ohm Coax RG-62A/U Type, IBM p/n 323921, 22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	Solid	BCCS - Bare Copper Covered Steel	0.025 in	1
Conductor Count:			1	
Conductor Size:			22 AWG	

#### Insulation

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

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.239 in	0.032 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
41.2 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	1.9 dB/100ft
100 MHz	2.7 dB/100ft
200 MHz	3.8 dB/100ft
400 MHz	5.3 dB/100ft
700 MHz	7.3 dB/100ft
900 MHz	8.2 dB/100ft
1000 MHz	8.7 dB/100ft

#### Delay

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

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
400 MHz	8 dB/100ft

#### Voltage

Non-UL Voltage Rating	UL Description	UL Voltage Rating
750 V RMS	CM	300 V RMS (CM)
	CL2	150 V RMS
	AWM Style 1478	30 V RMS

Electrical Characteristics Notes:	(CL2): 150 V RMS
Other Electrical Characteristic 2:	(AWM 1478): 30 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	84 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

Customer Part Number Reference Spec:	IBM P/N 323921
NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
UL AWM Style:	1478 (30 V 60°C)
CPR Euroclass:	Eca
PMSHA Specification:	SC-182/3
RG Type:	62A/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):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
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UL voltage rating:	300 V RMS (CM)
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## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89269, 87269, 82269

## Part Number

### Variants

Item #	Color	Footnote
9269 A8RU1000	Beige	
9269 0101000	Black	
9269 0101640	Black	C
9269 0102000	Black	C
9269 0103280	Black	C
9269 010500	Black	C
9269 0105000	Black	C
9269 010U1000	Black	
9269 010U500	Black	
9269 060U1000	Chrome	
9269 003U1000	Orange	

Footnote:	C - CRATE REEL PUT-UP.
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