



Product: [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
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene (Semi-Solid)	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
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (CM)

Plenum/Non-Plenum

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

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9269 A8RU1000	Beige	UnReel	1,000 ft	612825226079
9269 010500	Black	Reel	500 ft	612825226154
9269 010U500	Black	UnReel	500 ft	612825226109
9269 0101000	Black	Reel	1,000 ft	612825226116
9269 010U1000	Black	UnReel	1,000 ft	612825226093
9269 0101640	Black	Reel	1,640 ft	612825226123
9269 0102000	Black	Reel	2,000 ft	612825226130
9269 0103280	Black	Reel	3,280 ft	612825226147
9269 0105000	Black	Reel	5,000 ft	612825226161
9269 060U1000	Chrome	UnReel	1,000 ft	612825226178
9269 003U1000	Orange	UnReel	1,000 ft	612825226086

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.249 Revision Date: 04-28-2020
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