



## General Description:

22 AWG solid .025" bare copper-covered steel conductor, semi-solid polyethylene insulation, bare copper 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	0.813

### Overall Cable

Overall Nominal Diameter: 6.071 mm

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C (UL AWM Style 1478)

Bulk Cable Weight: 53.575 Kg/Km

Max. Recommended Pulling Tension: 373.649 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1478 (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):	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
PMSHA Specification:	SC-182/3

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9269 Coax - 93 Ohms

Customer Part Number Reference Specification: IBM P/N 323921

RG Type: 62A/U

### Flame Test

UL Flame Test: UL1685 UL Loading

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 89269, 87269, 82269

## 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)  
135.177

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
9.5149

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10.00	2.95
50.00	6.23
100.00	8.86
200.00	12.47
400.00	17.39
700.00	23.95
900.00	26.90
1000.00	28.54

### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	CM
150 V RMS	CL2
30 V RMS	AWM Style 1478

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

Voltage  
750 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9269 A8RU1000	1,000 FT	36.000 LB	BEIGE, SNOW		RG-62A/U TYPE COAX
9269 003U1000	1,000 FT	36.000 LB	ORANGE		RG-62A/U TYPE COAX
9269 010U1000	1,000 FT	36.000 LB	BLACK		RG-62A/U TYPE COAX
9269 010U500	500 FT	18.500 LB	BLACK		RG-62A/U TYPE COAX 306 2.09
9269 0101000	1,000 FT	38.000 LB	BLACK		RG-62A/U TYPE COAX
9269 0101640	1,640 FT	60.680 LB	BLACK	C	RG-62A/U TYPE COAX
9269 0102000	2,000 FT	76.000 LB	BLACK	C	RG-62A/U TYPE COAX
9269 0103280	3,280 FT	121.360 LB	BLACK	C	RG-62A/U TYPE COAX
9269 010500	500 FT	19.000 LB	BLACK	C	RG-62A/U TYPE COAX
9269 0105000	5,000 FT	185.000 LB	BLACK	C	RG-62A/U TYPE COAX

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

9269 Coax - 93 Ohms

9269 060U1000	1,000 FT	36.000 LB	CHROME		RG-62A/U TYPE COAX
---------------	----------	-----------	--------	--	--------------------

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-16-2012

© 2015 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification.

Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.