



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

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
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Notes:

C = CRATE REEL PUT-UP.

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