# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



### 82269 Coax - 93 Ohm Coax



For more Information please call

1-800-Belden1



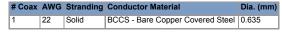
## **General Description:**

RG-62/U type, 22 AWG solid .025" bare copper-covered steel conductor, plenum, semi-solid FEP insulation, bare copper braid shield (94% coverage), Flamarrest® low-smoke jacket.

# **Physical Characteristics (Overall)**

# Conductor

AWG:



Total Number of Conductors:

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	3.6068

#### **Outer Shield**

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	94

#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 5.080 mm

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	52.087 Kg/Km
Max. Recommended Pulling Tension:	289.133 N
Min. Bend Radius/Minor Axis:	63.500 mm

### **Applicable Specifications and Agency Compliance (Overall)**

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
EU RoHS Compliance Date (mm/dd/yyyy):  EU Directive 2002/96/EC (WEEE):	01/01/2006 Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2002/96/EC (WEEE): EU Directive 2003/11/EC (BFR):	Yes Yes

Flame Test

**UL Flame Test:** 

NFPA 262

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	C(UL) Flame Test:	FT6
	tability	
	Suitability - Indoor:	Yes
Ple	num/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	9269

#### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance	(Ohm)
93	

Nom. Inductance

Inductance (µH/m) 0.351067

Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:

Delay (ns/m)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 135.177

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 11.1554

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	2.9529
50	6.2339
100	8.8587
200	12.4678
400	17.3893
700	23.9513
900	26.9042
1000	28.5447

Max. Operating Voltage - UL:

Voltage 300 V RMS

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82269 8771000	1,000 FT	30.000 LB	NATURAL	С	#22 COAX RG62A/U FLMRST

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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