# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



### 82269 Coax - 93 Ohm Coax

For more Information please call

1-800-Belden1



# **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:

	# Coax AWG Stranding		Stranding	Conductor Material	Dia. (mm)
ı	1	22	Solid	BCCS - Bare Copper Covered Steel	0.635

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:**

	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**

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NEC/(UL) Specification:	CMP		
CEC/C(UL) Specification:	CMP		
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 Directive 2002/96/EC (WEEE):	Yes		

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EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	62/U
Flame Test	
UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	9269

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



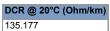
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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 (Overall)** 

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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	305 MT	13.608 KG	NATURAL	С	#22 COAX RG62A/U FLMRST

Notes:

C = CRATE REEL PUT-UP.

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

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