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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:

# 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 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 Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

RG Type: 62/U

### Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test:	FT6
<b>Suitability</b>	
Suitability - Indoor:	Yes
<b>Plenum/Non-Plenum</b>	
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:**

**Capacitance (pF/m)**  
41.9968

**Nominal Velocity of Propagation:**

**VP (%)**  
85

**Nominal Delay:**

**Delay (ns/m)**  
3.9372

**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 (Overall)

**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	C	#22 COAX RG62A/U FLMRST

**Notes:**

C = CRATE REEL PUT-UP.

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METRIC MEASUREMENT VERSION

## 82269 Coax - 93 Ohm Coax

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