# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



#### 82269 Coax - 93 Ohm Coax

For more Information please call

1-800-Belden1



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## **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.

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## **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:**

| 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 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:



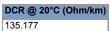
Nominal Velocity of Propagation:



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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#### **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.

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