

87269 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 Teflon® insulation, bare copper braid shield (94% coverage), fluorocopolymer jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 22 | Solid | BCCS - Bare Copper Covered Steel | .025 |

Total Number of Conductors: 1

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (in.) | Dia. (in.) |
|-----------------------|--|----------------------|------------|
| Teflon® | Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene | 0.019 | 0.142 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|------------------------|---------------------------|
| PVDF - Fluorocopolymer | 0.015 |

Overall Cable

Overall Nominal Diameter: 0.200 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -20°C To +150°C |
| UL Temperature Rating: | 150°C |
| Bulk Cable Weight: | 30 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 84 lbs. |
| Min. Bend Radius/Minor Axis: | 2 in. |

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): | 04/01/2005 |
| 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

| | |
|-----------------|-----|
| CSA Flame Test: | FT6 |
|-----------------|-----|

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial: | Yes |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 9269 |

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

| |
|-----------------|
| Impedance (Ohm) |
| 93 |

Nom. Inductance:

| |
|--------------------|
| Inductance (μH/ft) |
| 0.111 |

Nom. Capacitance Conductor to Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 12.8 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 85 |

Nominal Delay:

| |
|---------------|
| Delay (ns/ft) |
| 1.197 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 41.2 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 3.4 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.3 |
| 10 | 0.9 |
| 50 | 1.9 |
| 100 | 2.7 |
| 200 | 3.8 |
| 400 | 5.3 |
| 700 | 7.3 |
| 900 | 8.2 |
| 1000 | 8.7 |

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 |
|---------------|----------|-------------|-----------------|-------|-------------------------|
| 87269 E4X1000 | 1,000 FT | 34.000 LB | GRAY, LIGHT DEC | C | #22 RG62A/U TYPE 93 OHM |

Notes:

C = CRATE REEL PUT-UP.

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