

89269 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), FEP 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.) |
|--------------------------------------|---------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.015 |

Overall Cable
Overall Nominal Diameter: 0.200 in.
Mechanical Characteristics (Overall)
Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 33 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 |
| MII 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 |
|---------------|----------|-------------|-------|-------|----------------------|
| 89269 0091000 | 1,000 FT | 34.000 LB | WHITE | C | #22 COAX FEP RG62A/U |
| 89269 010100 | 100 FT | 5.200 LB | BLACK | | #22 COAX FEP RG62A/U |
| 89269 0101000 | 1,000 FT | 34.000 LB | BLACK | C | #22 COAX FEP RG62A/U |
| 89269 010500 | 500 FT | 18.000 LB | BLACK | C | #22 COAX FEP RG62A/U |

Notes:

C = CRATE REEL PUT-UP.

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