

# Detailed Specifications & Technical Data

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ENGLISH MEASUREMENT VERSION

86262 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, foamed 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.) |
|-----------------------|--|----------------------|
| Teflon®               | FFEP - Foam Fluorinated Ethylene Propylene | 0.060                |

### 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: 0.204 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 32 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius/Minor Axis: 2.250 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

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CSA Flame Test: FT6

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

### Plenum/Non-Plenum

Plenum (Y/N): Yes

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
93

### Nom. Inductance:

Inductance (μH/ft)  
0.018

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
12.5

### Nominal Velocity of Propagation:

VP (%)  
85

### Nominal Delay:

Delay (ns/ft)  
1.198

### 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             |
|---------------|----------|-------------|-------|-------|-----------------------|
| 86262 0091000 | 1,000 FT | 34.000 LB   | WHITE | C     | #22 COAX RG-62/U TYPE |
| 86262 009500  | 500 FT   | 17.500 LB   | WHITE | C     | #22 COAX RG-62/U TYPE |

### Notes:

C = CRATE REEL PUT-UP.

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