

9201 Coax - RG-58/U Type

For more Information
please call

1-800-Belden1

**General Description:**

RG-58/U type, 20 AWG solid .033" bare copper conductor, polyethylene insulation, bare copper braid shield (80% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (mm) |
|--------|-----|-----------|--------------------|-----------|
| 1 | 20 | Solid | BC - Bare Copper | 0.8382 |

Total Number of Conductors: 1

Insulation**Insulation Material:**

| Insulation Material | Dia. (mm) |
|---------------------|-----------|
| PE - Polyethylene | 2.9464 |

Outer Shield**Outer Shield Material:**

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | BC - Bare Copper | 80.000 |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 4.902 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 34.229 Kg/Km

Max. Recommended Pulling Tension: 164.583 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

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: | 58/U |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

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

| |
|-----------------|
| Impedance (Ohm) |
| 52 |

Nom. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.262808 |

Nom. Capacitance Conductor to Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 93.5085 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 66 |

Nominal Delay:

| |
|--------------|
| Delay (ns/m) |
| 5.05274 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 32.81 |

Nominal Outer Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 18.0455 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1 | 0.9843 |
| 10 | 3.6091 |
| 50 | 8.2025 |
| 100 | 12.4678 |
| 200 | 18.3736 |
| 400 | 27.5604 |
| 700 | 38.3877 |
| 900 | 44.9497 |
| 1000 | 47.5745 |

Max. Operating Voltage - Non-UL:

| |
|------------|
| Voltage |
| 1400 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|---------------------------|
| 9201 010U1000 | 1,000 FT | 25.000 LB | BLACK | | #20PE BRD PVC RG58/U TYPE |
| 9201 010U500 | 500 FT | 13.000 LB | BLACK | | #20PE BRD PVC RG58/U TYPE |
| 9201 010I1000 | 1,000 FT | 25.000 LB | BLACK | C | #20PE BRD PVC RG58/U TYPE |
| 9201 010I500 | 500 FT | 13.500 LB | BLACK | | #20PE BRD PVC RG58/U TYPE |

Notes:

C = CRATE REEL PUT-UP.

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