

8259 Coax - RG-58A/U Type

For more Information
please call

1-800-Belden1

**General Description:**

RG-58A/U type, 20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

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

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1 | 20 | 19x33 | TC - Tinned Copper | .035 |

Total Number of Conductors: 1

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PE - Polyethylene | .116 |

Outer Shield**Outer Shield Material:**

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 95 |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .0275 |

Overall Cable

Overall Nominal Diameter: 0.193 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 42 lbs.

Min. Bend Radius/Minor Axis: 2 in.

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

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): 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: | 58A/U |

Suitability

| | |
|------------------------|--|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Aerial: | Yes - when supported by a messenger wire |

Plenum/Non-Plenum

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

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

| |
|-----------------|
| Impedance (Ohm) |
| 50 |

Nom. Inductance:

| |
|--------------------|
| Inductance (μH/ft) |
| 0.092 |

Nom. Capacitance Conductor to Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 30.8 |

Nominal Velocity of Propagation:

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

Nominal Delay:

| |
|---------------|
| Delay (ns/ft) |
| 1.54 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 10.8 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 4.1 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.4 |
| 10 | 1.5 |
| 50 | 3.7 |
| 100 | 5.4 |
| 200 | 8.1 |
| 400 | 12.4 |
| 700 | 17.7 |
| 900 | 21.1 |
| 1000 | 22.8 |

Max. Operating Voltage - Non-UL:

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

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------------|
| 8259 010U1000 | 1,000 FT | 26.000 LB | BLACK | | RG-58A/U 50 OHMS COAX |
| 8259 010U500 | 500 FT | 14.000 LB | BLACK | | RG-58A/U 50 OHMS COAX |

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| | | | | | |
|--------------|----------|------------|-------|---|-----------------------|
| 8259 010100 | 100 FT | 3.300 LB | BLACK | | RG-58A/U 50 OHMS COAX |
| 8259 0101000 | 1,000 FT | 27.000 LB | BLACK | C | RG-58A/U 50 OHMS COAX |
| 8259 010500 | 500 FT | 14.000 LB | BLACK | C | RG-58A/U 50 OHMS COAX |
| 8259 0105000 | 5,000 FT | 135.000 LB | BLACK | C | RG-58A/U 50 OHMS COAX |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-14-2012

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